Monticello Greenhouses

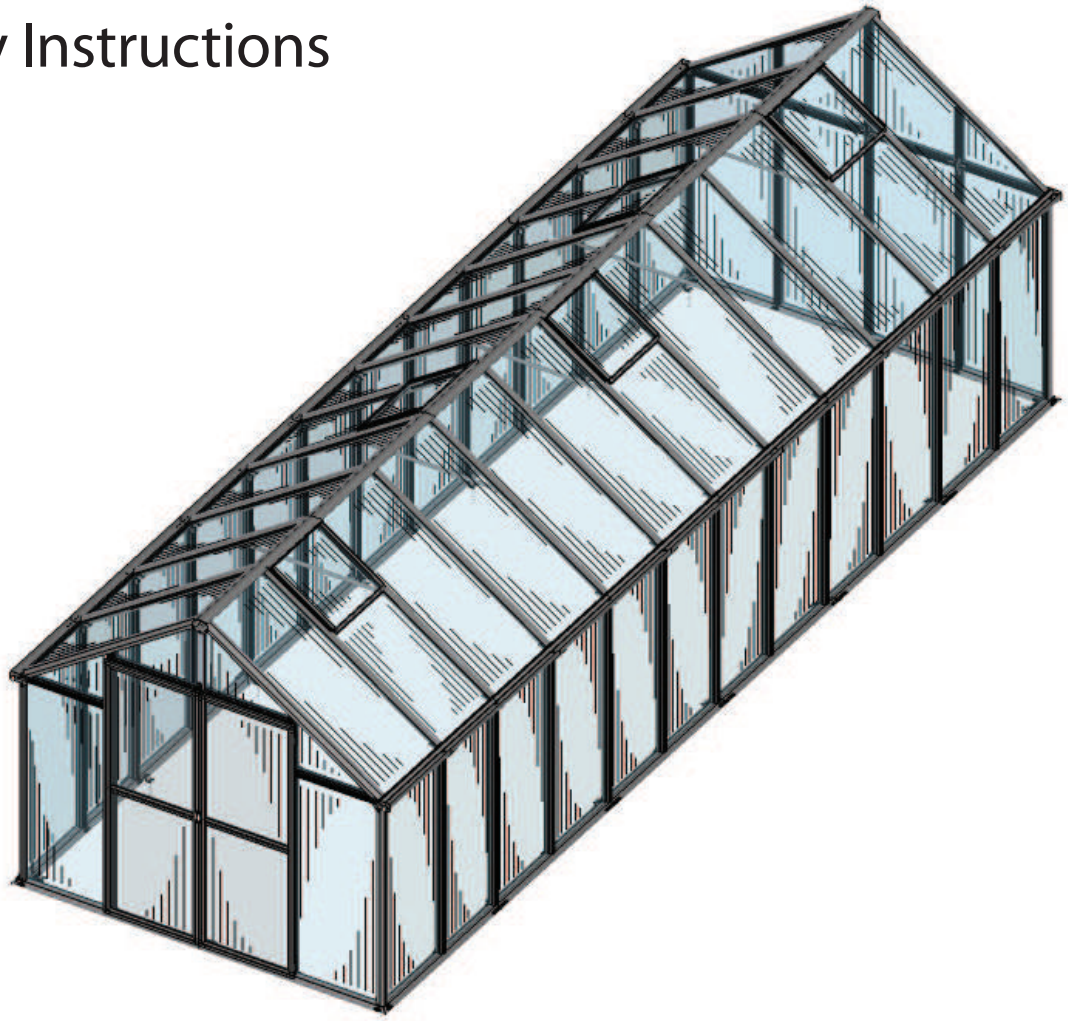
Mojave Edition

Made in the USA

8’ x 24’ Greenhouse

Assembly Instructions

041315V



10 YEAR WARRANTY

Riverstone

"Green Products for a Brighter Future"

Customer Service: (877) 373-3078 Email: customerservice@rsiww.com
After Hours Helpline: (443) 574-4764

65 Fleetwood Drive, Rockaway, NJ 07866

Thank you for choosing the Monticello Greenhouse Program

Thank You for your Purchase

We want to thank you for your purchase of the Monticello Greenhouse. We appreciate your support of our American Made Greenhouses.

The Monticello is designed for the average homeowner; no special degrees are needed. The time to assemble depends on the weather, skills, options, and number of helpers you have in the process. All the pieces are cut to size and should fit snug, BUT if something is not working please reach out to our help lines so we can make sure that there are no delays in the process. We are not only employees of Riverstone but owners of Monticello Greenhouses and can help you through the process and hopefully keep the frustration levels down if a question comes up.

We would like to take a moment to remind you as the new owner of a Monticello Greenhouse a few things to increase the life of your greenhouse.

- Make sure that all your roof vents are closed and tied down with the included bungee balls during high winds. This would be a 25 mph gusting wind and up. This will help prevent air getting into the Monticello and causing damage.
- Like with the roof vents, make sure the dual doors stay closed during winds. The doors are spring loaded to stay closed but we also know that the greenhouse can get rather hot in the warmer months and doors do get propped open. Just make sure that they get closed.
- In cooler snow prone climates, Cut some 2 x 4 ‘s and put them against the roof ridge and the floor to help add support from heavy snow and ice. This is just a precaution but could save a lot of aggravation down the road.
- It is also a good practice to clean the snow off the roof. A little snow if fine, but several inches only will tempt fate and it is best to be safe than sorry.
- The polycarbonate panels have channels in them. These are designed to help insulate and in moist environments, like after a rainstorm, you might find water droplets in these channels. It will not cause any harm and will burn itself off when the air starts to heat up.
- In some cases where there is a lot of rainfall, like the Pacific North West, we recommend using clear silicon caulking between the polycarbonate panels and the trim plates before the trim plates are put on. This is just to assure that the Monticello stays as dry as possible. Just give a call if you need some more help with this.

  Lastly, we are not perfect. We know that there are better ways to do things, we just need some suggestions from our customer base as to what they are. Needless to say we are always open to feedback, good and bad, and we do react to feedback. Please, if there is an option you do not see that you feel would make the greenhouse experience better, if there is a different way to explain a set-up process, or if there is anything else to help make Monticello better we want to hear from you.

Thank you again for your purchase and we hope you have many years of growing in your new Monticello Greenhouse.

David Schnurman

Vice President

MONTICELLO Limited Warranty/ Liability

Snow Load & Wind Load Warranty & Liability

The Monticello Greenhouse described in this manual is designed for and limited to Riverstone Industries standard wind and snow load which is based on a **continuously heated** greenhouse. Standard loads are: Wind Load = 113 MPH/ 1 second gust (52m/sec); 65 mph continuous winds, Snow load of 24 lbs. sq ft.

Riverstone cannot and will not be held liable or responsible for any and all damages and/or structural failures caused by prevailing load conditions at the greenhouse's erected location that exceed the aforementioned Standard Loads.

All Monticello Wind & Snow loads are based on a closed and heated greenhouse structure. The heat provides a source for the snow and ice to melt from the roof. If the Monticello is not being heated during the winter months when snow and/ or ice is present it is the owners responsibility to clear the accumulations of the roof.

Contact us directly with any questions regarding this.

Products to which this limited warranty applies:

This limited warranty applies to the following models of your newly purchased Monticello Greenhouse: **MONT-8; MONT-12,MONT-16,MONT20,MONT-24, MONT-4; Premium versions, and Mojave Editions of these greenhouses.** This limited warranty applies only to purchases made in any province of Canada except for Yukon Territory, Nunavut, or Northwest Territories or in any of the 50 States of the USA (and the District of Columbia) except for Hawaii and Alaska. This limited warranty applies to the original purchaser of the product only and is not transferable.

What this limited warranty covers and for how long:

Products covered by this limited warranty have been tested and inspected prior to shipment and, subject to the provisions of this warranty, Riverstone Industries warrants such products to be free from defects in material and workmanship for a period of 1 year from the date of the first purchase of such products.

The limited 10-year warranty period for GREENHOUSES also applies to any implied warranties that may exist under applicable law. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to the purchaser.

The limited warranty for accessories follows the same guidelines as above and is covered for the following time span.

- Work Bench System – 10 years
- Watering System – 7 years
- Shade Cloth System – 7 years
- Garden/ Potting Sink – 3 years

What this limited warranty does not cover:

This limited warranty does not apply to products that have been repaired (except by Riverstone Industries or its authorized service representatives) or otherwise altered. This limited warranty does further not apply to defects resulting from misuse, abuse, accident, neglect, incorrect installation, improper maintenance or handling, or operation with an incorrect power source.

Riverstone Industries is not responsible for personal time lost or paid for during the construction of its products due to missing or defective parts.

What you must do to get service under this limited warranty:

Defects must be brought to the attention of Riverstone Industries Technical Service by contacting Riverstone Industries at **customerservice@RSIWW.com** or 612-RVR-STNE (787-7863). Please have proof of purchase, catalog/model and serial numbers available when calling. Limited warranty service requires a proof of purchase of the product.

What Riverstone Industries will do in the event of a defect:

In the event a product or part covered by this limited warranty is proven to be defective in material or workmanship during the 10-year limited warranty period for products, you have the following rights:

Riverstone Industries will in its sole discretion either repair or replace such defective product or part without charge. If Riverstone Industries is unable to repair or replace such product or part, or if repair or replacement is not commercially practicable or cannot be timely made, Riverstone Industries may, in lieu of repair or replacement, choose to refund the purchase price for such product or part.

Limited warranty service will be performed solely by dealers or service agents of Riverstone Industries authorized to provide limited warranty services.

Introduction

Thank you for purchasing the Mojave Edition Monticello™ Greenhouse. The Monticello line is proudly made in the USA by a leading commercial greenhouse maker using the same professional grade materials and design. The frame is constructed with the highest quality extruded aluminum with lead free powder-coated paint. The panels are professional grade 8mm twin wall polycarbonate selected for their insulation and durability.

The List of Parts has the corresponding step number referenced to each part so you can easily prepare for each step. We recommend placing all parts in one staging area. Lay out parts by size and shape. Use the List of Parts to identify the part numbers for profiles and panels. We have not labeled the parts with stickers to avoid removing them during assembly.

Our greenhouse has been designed to be easily assembled. Although all but one step can be completed by one person, we recommend using a helper for the entire assembly. You will need assistance from another person to assemble the roof. If you have never assembled a greenhouse before, make it a weekend project. We recommend you take your time and read these instructions carefully to avoid mistakes.

NOTE: These instructions include helpful hints and important information needed to safely assemble and properly maintain the greenhouse. Please read these instructions completely before you begin.

Please send us photos of your new greenhouse to post on the Riverstone website.
Contact us with questions at Customer Service: (877) 373-3078
Email: customerservice@rsiww.com After Hours Helpline: (443) 574-4764

CAREFULLY READ ALL INSTRUCTIONS BEFORE YOU BEGIN.
FOLLOW STEPS IN THE ORDER PRESENTED. KEEP THIS MANUAL FOR FUTURE REFERENCE.

Before Starting Assembly:

1. Make sure you have all the necessary parts:

Compare the contents of the cartons with the List of Parts. If any parts are missing or damaged, contact Riverstone Customer Service before beginning assembly. During business hours call (877) 373-3078, email: customerservice@rsiww.com or use the After Hours Helpline: (443) 574-4764.

2. Lay the parts out in one staging area:

The List of Parts has the corresponding step number referenced to each part so you can easily prepare for each step. We recommend placing all parts in one staging area. Lay out parts by size and shape. Use the List of Parts to identify the part numbers for profiles and panels. We have not labeled the parts with stickers to avoid removing them during assembly.

3. Select a Location:

When selecting a site for your greenhouse, a flat level surface is essential and if possible, with proper water drainage and easy access to power and water necessary for greenhouse gardening. Choose a sunny, level position away from overhanging trees and power lines and protected from the wind as much as possible. The location should be away from structures that could cause snow to drift on or around the greenhouse. Locate underground pipes or cables before preparing the site or anchoring the greenhouse.

4. Prepare a Foundation:

After choosing a location, proper preparation of the site is essential. The site must be level. The greenhouse must be mounted to a base. Construct the base first so the greenhouse can be securely mounted. We recommend constructing a wood platform base using a perimeter of two by fours filled with either soil, sod or gravel. Instructions for constructing a wood platform can be found in this manual.

Other suitable base options include wood decks and concrete slabs. Wood screws are included to secure the greenhouse to a wood base. The greenhouse is secured to the ground from the inside with ground anchors. See step11 for details. If you are using a concrete base, get appropriate mounting screws before beginning.

Make sure the corners are square by measuring the inside diagonals from both sides and making sure they are equal. Use a spirit level to make sure the base is level.

Contact your local authorities regarding any required building permits or restrictions.

Safety Advice

- The greenhouse must be positioned and fixed on a flat level surface.
- Dispose of all plastic bags safely. Keep them out of the reach of small children.
- Keep children and pets away from the assembly area until the work is completed.
- Always wear work shoes, gloves and safety goggles when working.
- Some of the parts have sharp edges and burs. Use extreme caution when handling.
- Do not lean against or push the greenhouse during assembly.
- Take special care not to touch overhead power lines with the aluminum profiles.
- Do not attempt to assemble the greenhouse in windy or wet conditions.
- Do not position your greenhouse in an area exposed to excessive wind.
- If using power tools or a step ladder, always follow the manufacturer's safety instructions.
- Hot items such as recently used grills, blow torches etc., must not be stored in the greenhouse.
- Store the polycarbonate panels in a cool dark place such as a garage until you are ready to use them.
- Make sure the greenhouse complies with local building codes.
- Heat the greenhouse during winter months to avoid accumulation of snow or ice on the roof.

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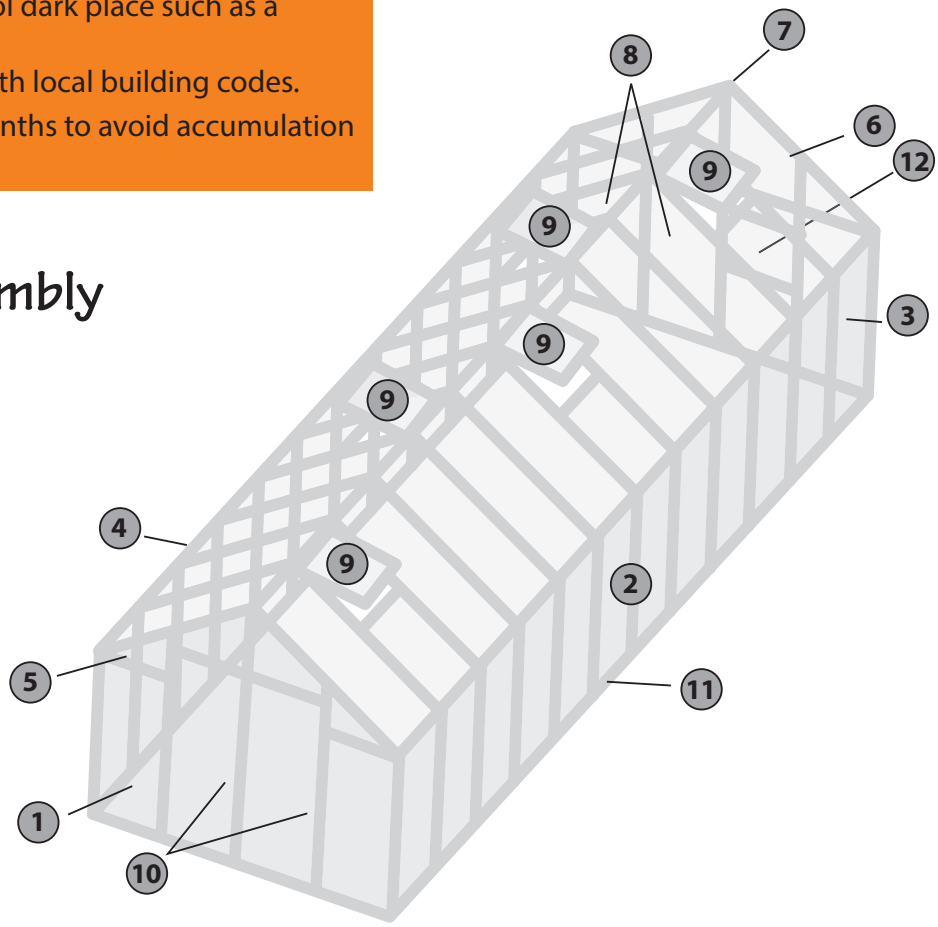
General Order of Assembly

Step 1: Assemble Base
Step 2: Assemble Right Wall
Step 3: Assemble Back Wall
Step 4: Assemble Left Wall
Step 5: Assemble Front Wall and Gable
Step 6: Assemble Back Gable
Step 7: Assemble Roof Ridge
Step 8: Assemble Roof
Step 9: Install Roof Vents
Step 10: Assemble and Install Doors
Step 11: Secure to Platform
Step 12: Install Fan and Solar Panel



Tools Needed

- Step Ladder
- Work Gloves
- Safety Goggles
- Spirit Level
- Tape Measure
- 23 1/8 inch spacer (included)
- $^{7}/_{16}$" wrench (included)
- Phillips Screwdriver (included)
- Flat Screwdriver (included)
- 5 foot bungee cord (included)
- clear silicone caulk tube

Constructing a Wood Platform

IMPORTANT: It is very important to begin with a level surface. Check your foundation to ensure it is level at every point. If you are not building on a wood deck, we recommend constructing a wood platform so you can properly secure the greenhouse. You must assure your foundation is square and level before beginning assembly.

After choosing a location, proper preparation of the site is essential. The site must be level. Create a wood platform using a perimeter of pressure treated two by fours filled with either soil, sod or gravel.

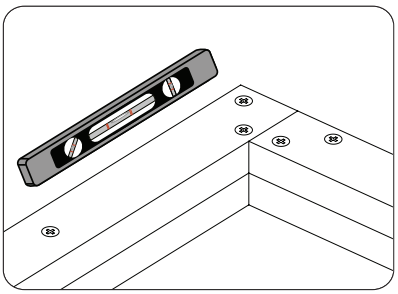
NOTE: When constructing the greenhouse on a wood deck, make certain the surface is level. Creating an additional wood platform is not necessary.

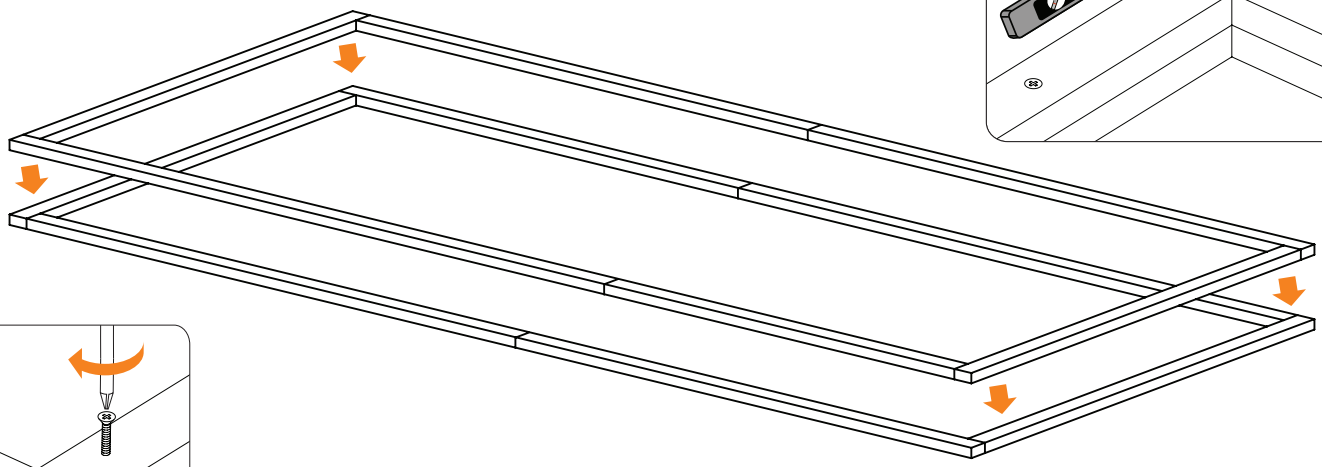
Buy pressure treated 2x4 lumber. You will use two layers with the corner positions staggered for maximum strength. The finished dimensions will be 101" by 295¾"

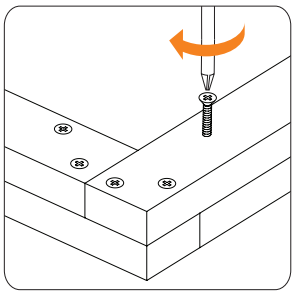
Materials:
Four 10' pressure treated 2x4 lumber cut to 97½"
Four 14' pressure treated 2x4 lumber uncut at 168"
Four 14' pressure treated 2x4 lumber cut to 124¼"
One hundred and ten #8 3" wood screws

Tools:
Spirit Level
Corner Square
Phillips Screwdiver
Power Drill (recommended)

Make sure each corner is square and then secure one corner with wood screws. Move to the diagonal corner, make sure it is square and then secure with wood screws. As you continue to secure the 2x4 wood platform, continue to make certain the corners are square and the frame is level.







Secure wood platform every two feet with wood screws. Make certain to tighten screws into the wood platform until they are flush with the surface.

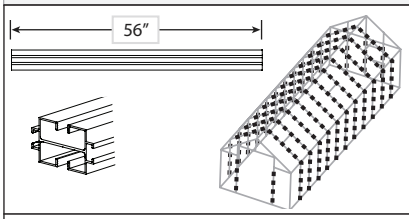
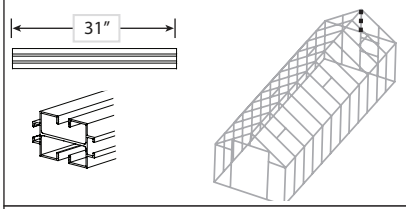
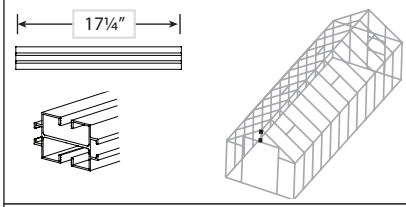
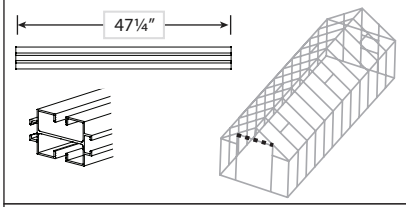
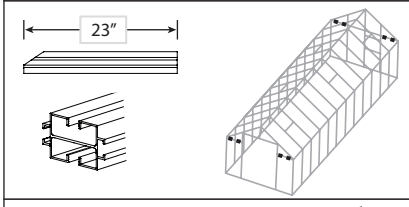
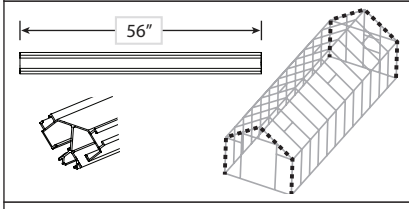
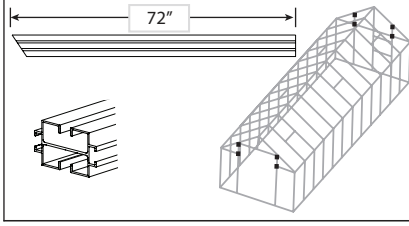
NOTE: The illustrations throughout the manual are shown without a foundation.

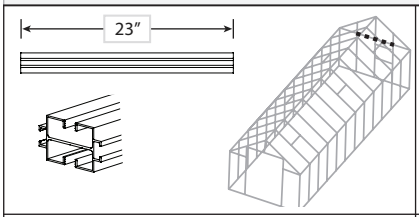
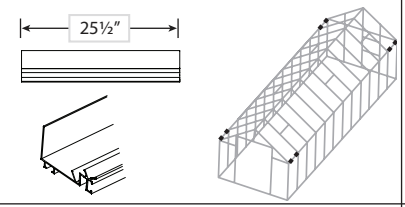
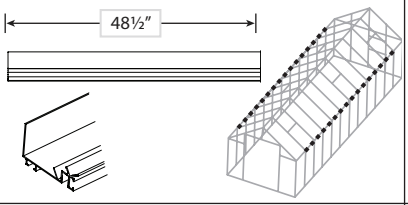
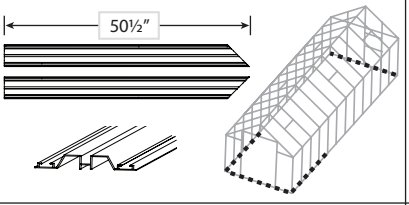
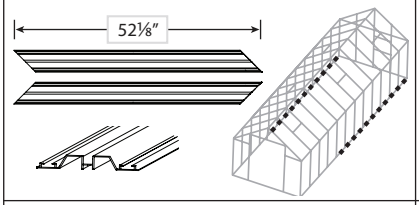
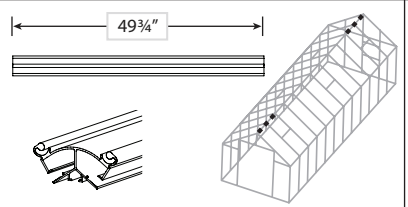
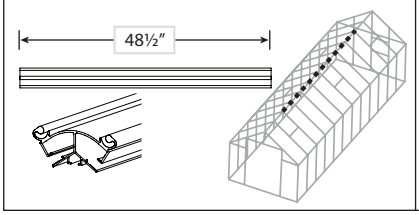
List of Parts

WARNING: Profiles with cut edges and/or drilled holes are sharp. Use extreme caution when handling.

The greenhouse is shipped in multiple cartons. These cartons are heavy. Use care when lifting them.
Some parts have sharp edges. Use extreme caution when handling.
Wear proper safety gear including work shoes, gloves and safety goggles.
Keep children and pets away until assembly is complete.
Finish assembling the roof in one session. Do not leave the roof unattended until it is completely assembled.
Place all like parts together in a staging area. Prepare for each step according to instructions in this manual.

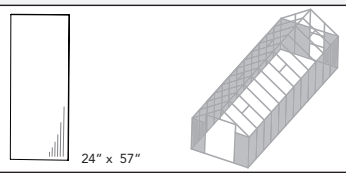
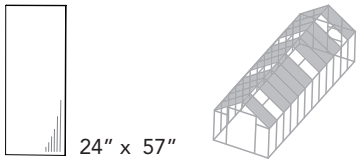
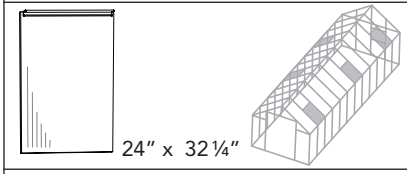
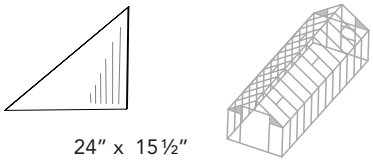
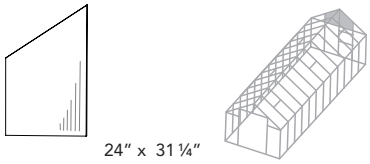
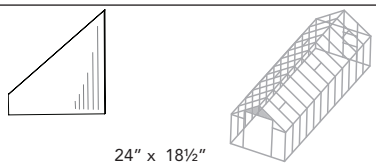
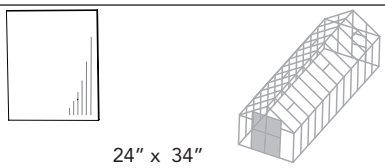
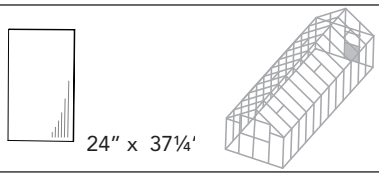
If any parts are missing or damaged, before beginning assembly contact Riverstone Customer Service at (877) 373-3078, email: customerservice@rsiww.com or After Hours Helpline: (443) 574-4764

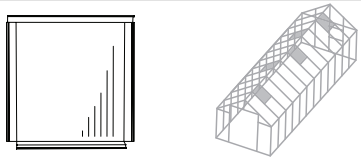
Profile		QTY	
	F-1	45	Steps 2,3,4, 8
	F-2	1	Step 6
	F-4	1	Step 5
	F-5	1	Step 5
	F-6	4	Steps 5,6
	F-7	8	Steps 2,3,4, 5,6
	F-8	4	Steps 5,6

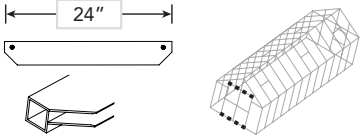
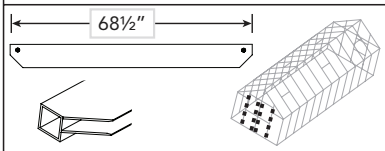
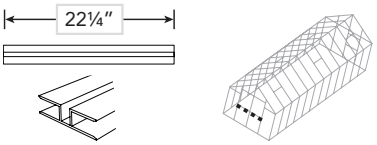
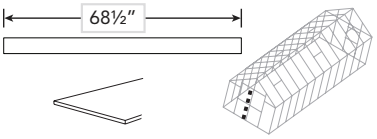
Profile		QTY	
	F-10	2	Step 3
	G-1	4	Steps 2,4
	G-2	10	Steps 2,4
	P-1A P-1B	4 4	Steps 1 Steps 1
	P-2A P-2B	4 4	Steps 1 Steps 1
	R-1	2	Steps 1
	R-1E	4	Steps 7

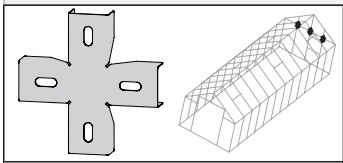
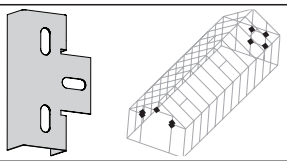
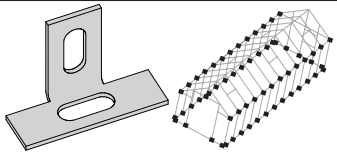
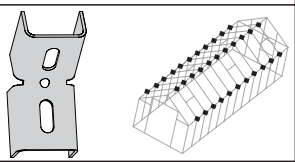
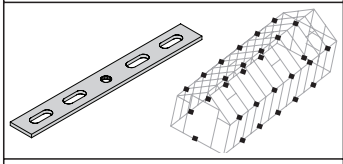
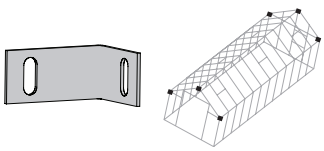
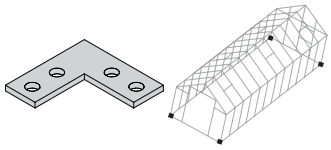
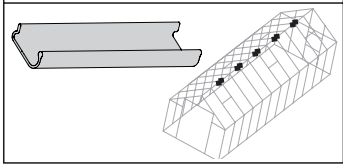
List of Parts (continued)

WARNING: Use extreme caution when handling panels with cut edges. The corners are sharp.

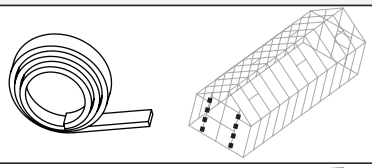
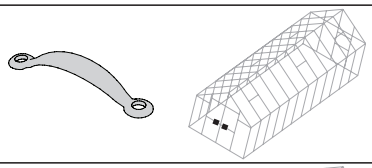
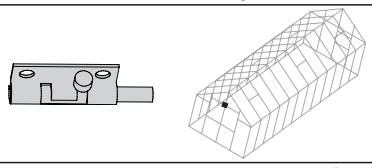
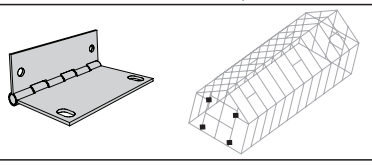
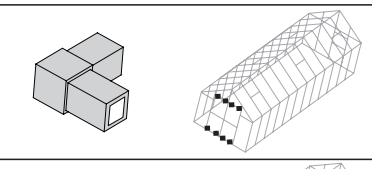
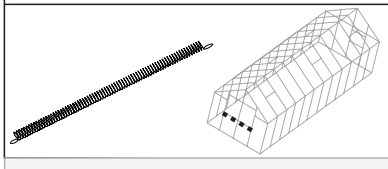
Profile		QTY	
 24" x 57"	W-1	29	Steps 2,3,4
 24" x 57"	W-8	19	Step 8
 24" x 32¼"	W-10	5	Steps 8
 24" x 15½"	W-3	4	Steps 4,5
 24" x 31¼"	W-4	2	Steps 5
 24" x 18½"	W-5	2	Steps 4
 24" x 34"	W-6	4	Steps 10
 24" x 37¼'	W-7	1	Step 3
4½"x 24"	W-9	1	Step 3

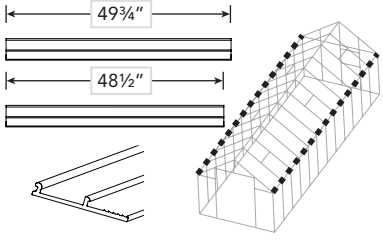
Assembled Vents		QTY	
	V-4	5	Steps 9

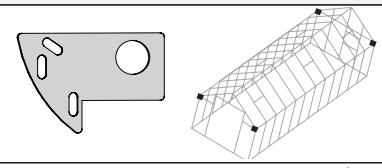
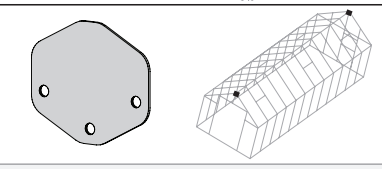
Door Profiles		QTY	
 24"	E-1	4	Step 10
 68½"	E-2	4	Step 10
 22¼"	E-3	2	Step 10
 68½"	E-4	1	Step 10

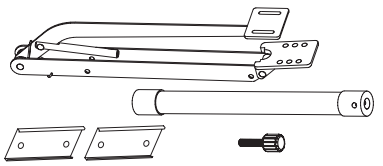
Connectors		QTY	
	B-1	6	Step 6
	B-2	9	Step 3,5
	B-3	61	Steps 2,3,4,5,10
	B-4	33	Step 8
	B-5	29	Steps 1,2,4,7
	B-7	6	Steps 5,6.7
	B-8	4	Step 1
	B-10	10	Step 7

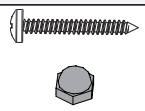
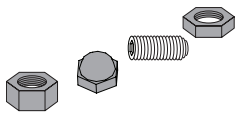
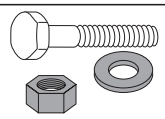
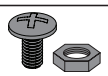
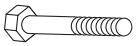
List of Parts (continued)

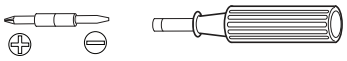
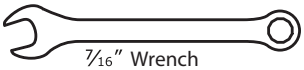
Door Profiles		QTY	
	D-4	20′	Step 10
	D-6	2	Step 10
	D-7	1	Step 10
	D-8	4	Step 5
	D-9	8	Step 10
	D-10	2	Step 10

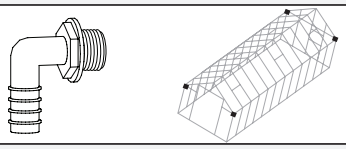
Trim Plates		QTY	
	G-4	4	Step 8
	G-4E	8	Step 8

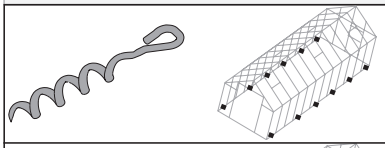
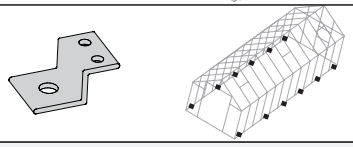
Connectors		QTY	
	C-1	4	Steps 5,6
	C-2	2	Step 7

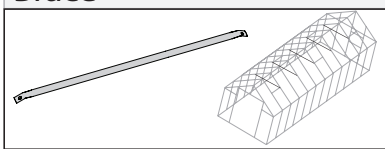
Vent Opener		QTY	
	V-3	5	Step 9

Hardware		QTY	
	S-1	20	Step 9
	S-2C	463	Steps 1,2,3,4 5,6,7,8,10,11,12
	S-2A S-2B S-2C S-2D	2 2 2 2	Step 5 Step 5 Step 5 Step 5
	S-4	110	Steps 11
	S-5A S-5B S-5D	5 11 15	Step 7 Step 8,12 Step 8,12
	S-6	10	Step 9
	S-7	463	Steps 1,2,3,4 5,6,7,8,10,11
	S-8A S-2A	8 8	Step 5 Step 5
	S-9	38	Step 10
	S-10	4	Step 10
	S-11	4	Step 12
	S-12	8	Step 12

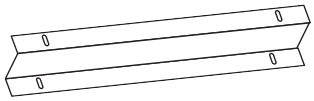
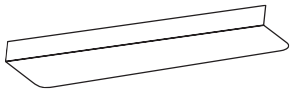
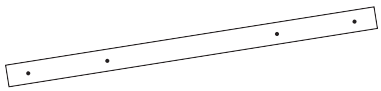
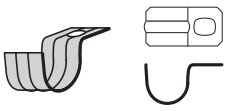
Included Tools		QTY	
 Phillips/Flat Combination Screwdriver	S-10	1	Steps 1,2,3,4,5,6, 7,8,9,10,11
 7⁄16″ Wrench	T-2	1	Steps1,2,3,4, 5,6,7,8,9,10
 23 1⁄8″ Spacer	T-3	1	Steps 2,3,4
 5′ Bungee Cord	T-4	5	Step 8

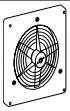
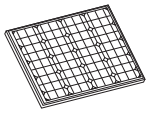
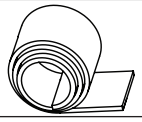
Gutter Drain		QTY	
	G-3	4	Step 8

Ground Anchors		QTY	
	A-1	12	Step 11
	A-2	12	Step 11

Brace		QTY	
	B-9	5	Step 8

List of Parts (continued)

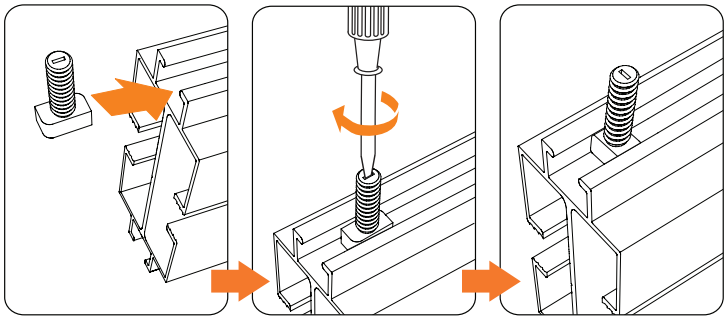
Fan Parts		QTY	
	H-1	2	Step 12
	H-2	2	Step 12
	H-3	2	Step 12
	H-4	2	Step 12
	H-5	4	Step 12

Fan Parts		QTY	
	H-6	1	Step 12
	H-7	1	Step 12
	H-8	1	Step 12
	H-9	1	Steps 12
	H-10	10'	Steps 12
	H-11	8'	Steps 12

Using T-Bolts

IMPORTANT: This greenhouse is assembled using a unique fastening system. The parts are attached to each other using connectors fastened with a rectangular headed bolt referred to as a "T-bolt" and secured with a "2-SC cap".

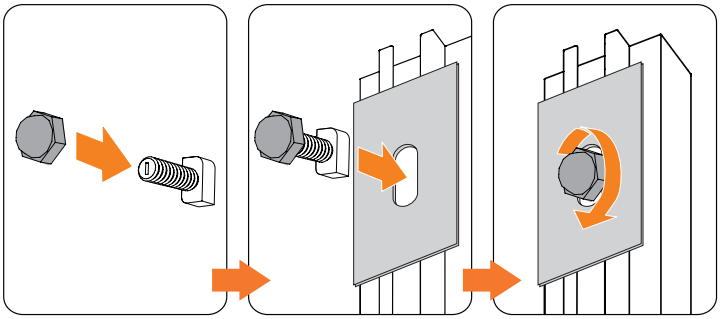
In this manual you will prepare only the profiles required for each section. This includes installing T-bolts in the locations needed for the entire assembly. The T-bolts with connectors and S-2C bolts secure the profiles in place.



On **horizontal** profiles the T-bolts may be slotted into the profile from the end, slid into position, then then locked in place by using included T-5 screwdriver.

Try installing a few T-bolts to determine how tightly you will need to turn them so they remain locked in place even if the profiles are knocked around during installation.

NOTE: If you are installing T-bolts in profiles that will remain horizontal you may tighten them with your fingers. In this manual, you will see "hand tighten" which means securing in place with a screwdriver. "Loosen T-bolt" means turning the T-bolt so it is parallel in the bolt track and moves easily.



For **vertical** profiles place a nut on the T-bolt (***T-bolt Assembly***), hold the bracket in place and push the T-bolt assembly through slot.
The T-bolt will lock into place when nut is tightened.

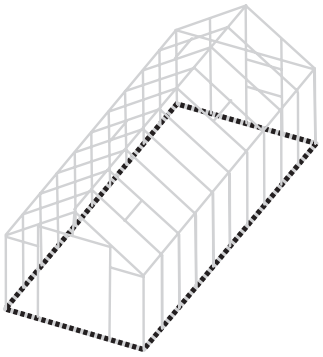
Try installing a few T-bolt Assembly's to determine how loose the nut needs to be to ensure the head of the T-bolt clears the profile edges and turns to lock properly in the profile track.

NOTE: You may use the verticle technique for attaching T-bolts on the horizontal profiles if you desire.

Visit us at WWW.RSIWW.com/AssemblyQuestions for key assembly images and helpful tips.

Assemble Base

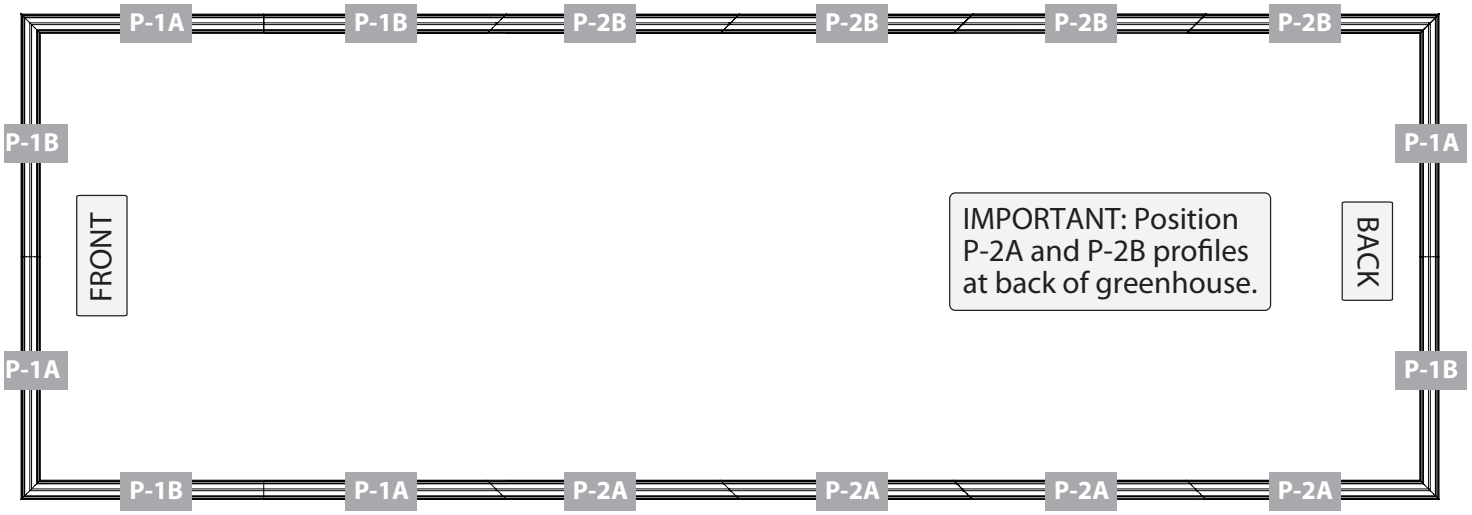
Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.

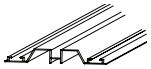
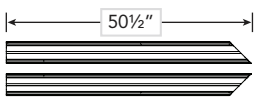
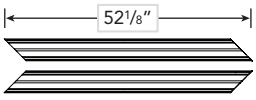


1.1 The base is made up of four P-1A, four P-1B, four P-2A and four P-2B profiles. Arrange profiles in a rectangle as shown. Position P-2A and P-2B profiles at back sides of the greenhouse.

WARNING: Use extreme caution when handling profiles P-1A, P-1B, P-2A and P-2B. The bottoms may have sharp edges near the drilled holes. The cut edges on the corners of these profiles are sharp.

IMPORTANT: Make sure the base fits properly on your foundation. If not, stop and fix your foundation.

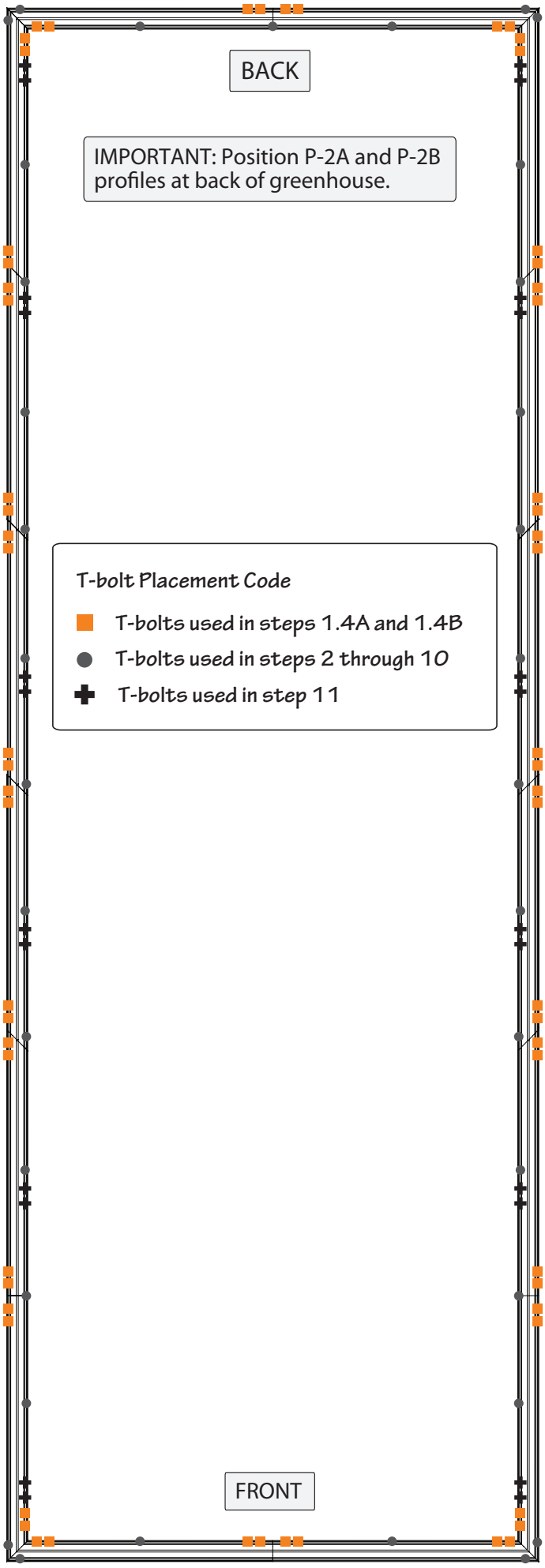


Profile		QTY
	P-1A	4
	P-1B	4
	P-2A	4
	P-2B	4

1.2 Install T-bolts into inside and outside bolt tracks as shown below. Some of the T-bolts are secured in this step. Most are secured in later steps. Pay careful attention to ensure you have the correct number of T-bolts in the correct bolt track in each profile. The profiles have different amounts of T-bolts on the inside and outside bolt tracks.

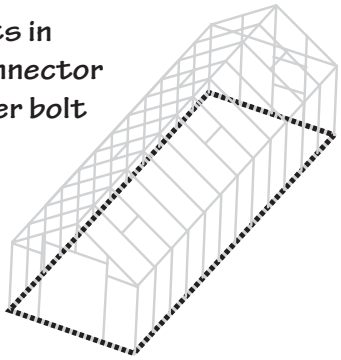
IMPORTANT: When assembling base, make sure the profiles are straight and flush against each other. Secure profiles together, and ensure corners are square. The diagonal measurements on inside corners should be equal. Secure corners to desired foundation until assembly is completed. We recommend using a two by four platform.

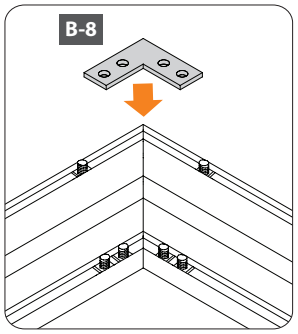
NOTE: Instructions identify twenty T-bolts necessary for securing to ground in step 11.

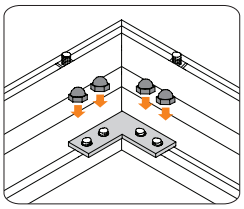

BACK
IMPORTANT: Position P-2A and P-2B profiles at back of greenhouse.
T-bolt Placement Code
T-bolts used in steps 1.4A and 1.4B
T-bolts used in steps 2 through 10
T-bolts used in step 11
FRONT

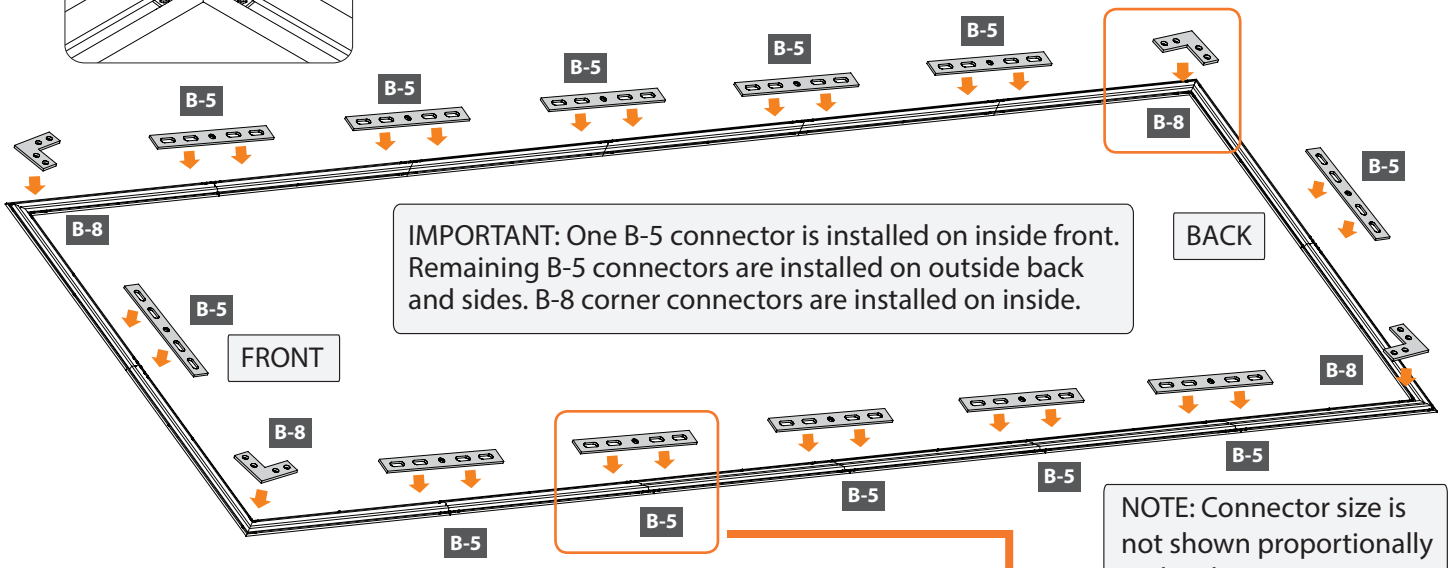
Connector		QTY
	S-7	107

1.3A Make certain side profiles are straight and flush. Adjust position of T-bolts in inner bolt track at front of profile to fit holes in B-5 connector. Center connector over seam for maximum hold. Secure using four S-2C caps. Repeat on outer bolt track to install eleven remaining B-5 connectors at back and sides.





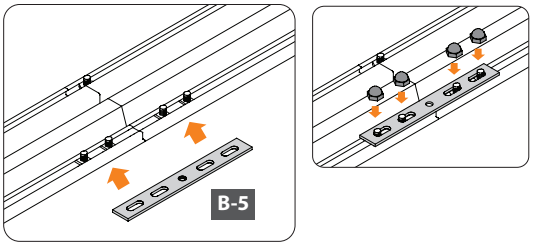




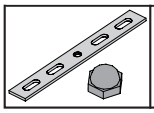
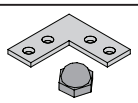
IMPORTANT: One B-5 connector is installed on inside front. Remaining B-5 connectors are installed on outside back and sides. B-8 corner connectors are installed on inside.

NOTE: Connector size is not shown proportionally in this drawing.

IMPORTANT: Double check the position and amount of unused T-bolts in the base. You should have 53 available for later assembly.

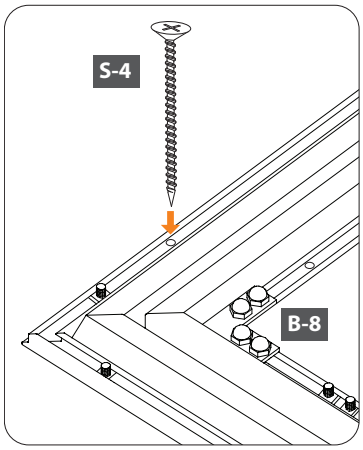


1.3B Make certain corners line up and are flush. Adjust position of T-bolts in inner bolt track to fit holes in B-8 connector. Secure with four S-2C caps. Repeat until each corner is secure.

Connector		QTY	Connector		QTY
	B-5 S-2C	10 40		B-8 S-2C	4 16

1.4A Measure base diagonally from inside corner. Equal measurements ensure the base is square. Use a spirit level to make sure the base is level.

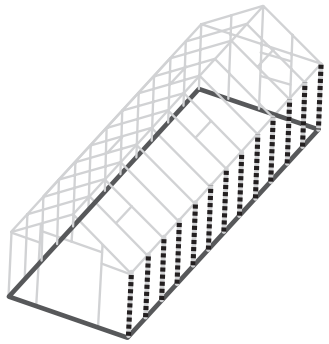
1.4B Locate predrilled holes in base profiles. Use six S-4 screws, one at each corner and one in the center of each side to secure to wood platform. You will secure the greenhouse completely to the platform in step 11.1 when assembly is finished.



Connector	QTY
S-4	6

Assemble Right Wall

CHECK YOUR WEATHER FORECAST. DO NOT CONTINUE ASSEMBLY DURING WINDS.

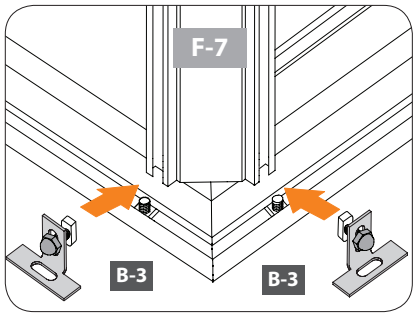


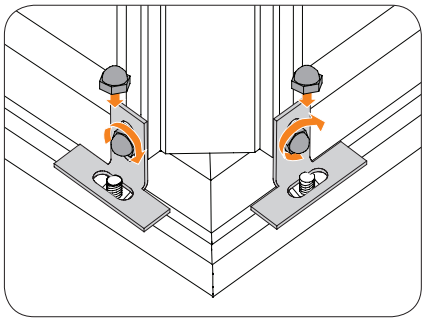
Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.

2.1A Place F-7 corner profile on base, fitting panel into channel. Use two B-3 connectors with T-bolt assemblies as shown to secure to base.

2.1B Working from outside, begin at front right corner. Remove plastic film from both sides of one W-1 panel. Fit panel into channel in base, placing side marked "UV Resistant" facing outside. The panels will help hold the profiles up during assembly.

NOTE: VIEWS FROM OUTSIDE.





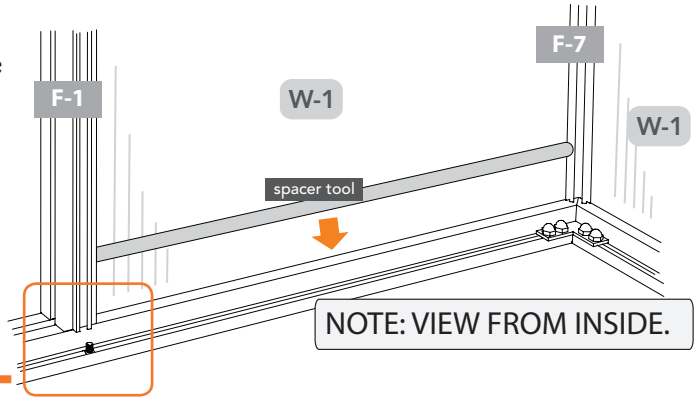
Panel		QTY	Profile		QTY	Connectors		QTY
24" x 57"	W-1	1	56"	F-7	1		B-3 S-2C S-7	2 4 2

2.2A Continue working from inside. Remove plastic film from both sides of one W-1 panel. Fit panel into channel in base and corner profile, placing side marked " UV Resistant" facing outside.

IMPORTANT: The panels expand and contract depending on the temperature. To ensure proper placement, use the 23 1/8 inch spacer included with the tools.

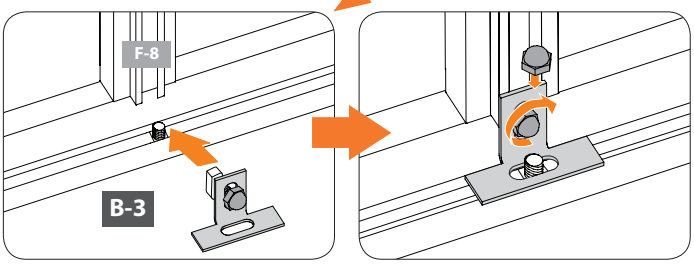
2.2B Place 23 1/8 inch spacer on base next to F-7 corner profile. Fit panel into channel in F-1 profile and slide F-1 profile against spacer to ensure proper placement.

NOTE: Panels will not fit completely to end of channels. There will be some space to allow for temperature changes.



NOTE: VIEW FROM INSIDE.

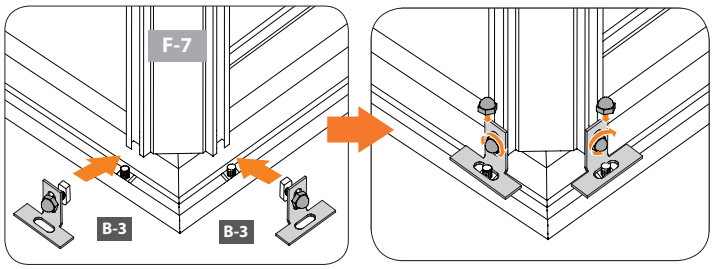
2.2C Use B-3 connector with T-bolt assemblies as shown to secure to base.

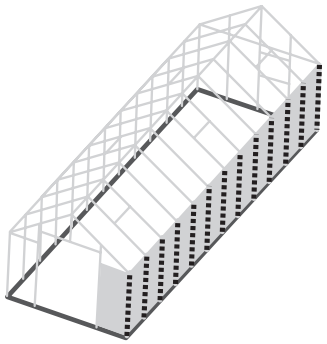


2.2D Continue building the side wall from the inside. Use the spacer with each panel and the ten remaining F-1 profiles. Repeat steps 2.2A through 2.2C to secure to base.

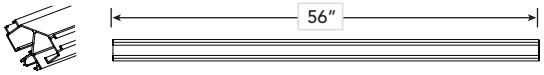
Panel		QTY	Profile		QTY	Connectors		QTY
24" x 57"	W-1	10	56"	F-1	11		B-3 S-2C S-7	11 22 11

2.3 Remove plastic film and add the last W-1 panel to complete the side. From the outside, fit F-7 corner profile into place and use two B-3 connectors with T-bolt assemblies as shown to secure to base.



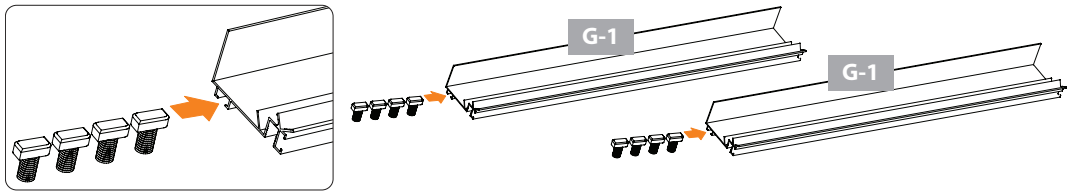


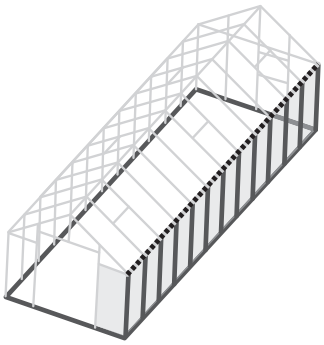
NOTE: VIEW FROM OUTSIDE.

Profile		QTY	Panel		QTY
	F-7	1		W-1	1

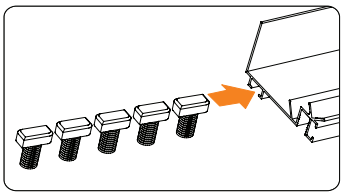
Connectors	QTY
B-3	2
S-2C	4
S-7	2

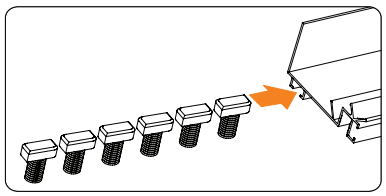
2.4A Slide four T-bolts into bottom bolt track of G-1 gutter profiles. Hand tighten each end T-bolt to hold in place.

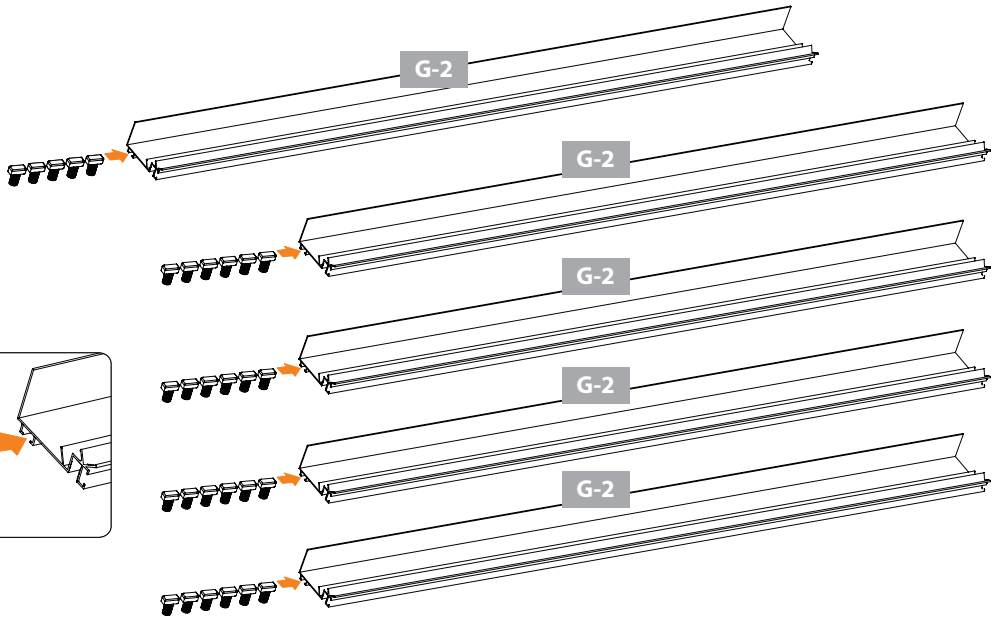


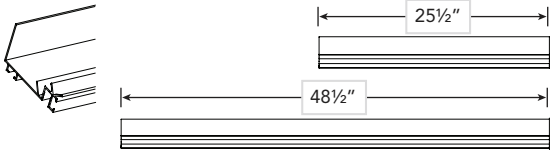


2.4B Slide T-bolts into bottom bolt track of G-2 gutter profiles, five into one and six into the other four. Hand tighten end T-bolts to hold in place.

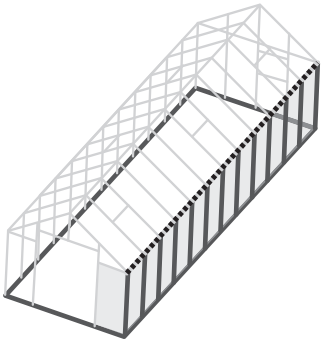


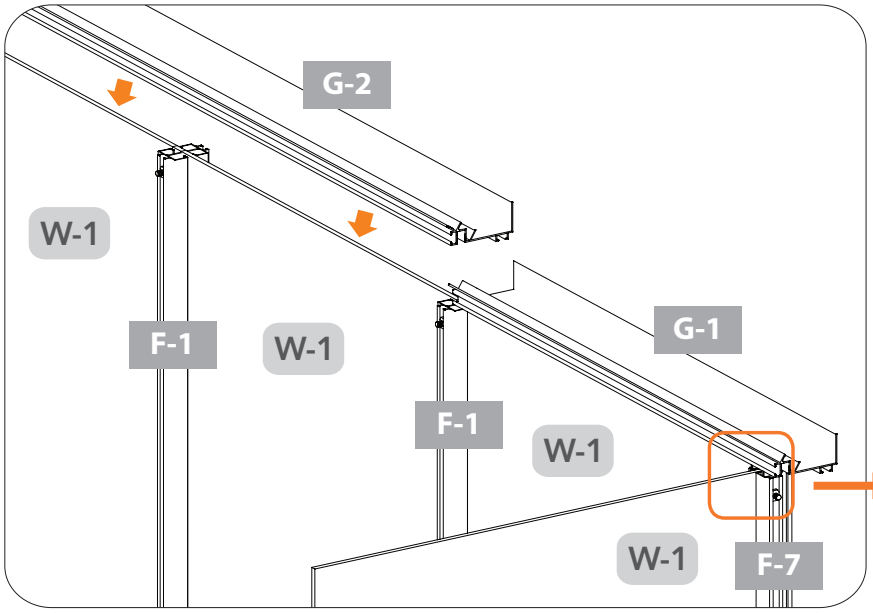




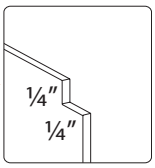
Connector		QTY	Profile		QTY
	S-7	37		G-1 G-2	2 5

2.5A Working from inside, place G-1 and G-2 gutter profiles, fitting top edge of W-1 panels into channels of gutters. Place one short G-1 gutter profile at each end and the five longer G-2 gutter profiles in the center. Seams are centered to bolt tracks in F-1 profiles.



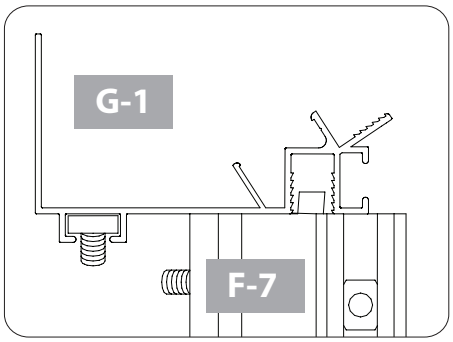


NOTE: In some cases a ¼" x ¼" notch in top corner of W-1 panel will provide a better fit for G-1 gutter profile.

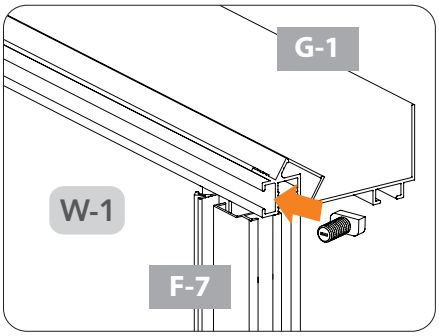


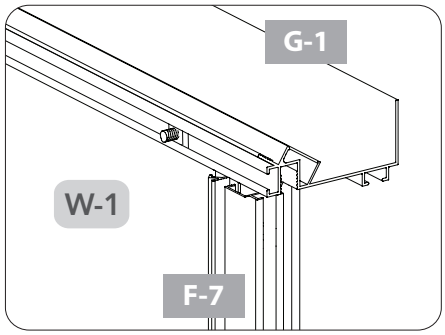
NOTE: At front and back, edge of G-1 gutter profile lines up flush with edge of F-7 corner profile.

NOTE: VIEW FROM INSIDE.



2.5B Place one T-bolt on the inside bolt track of the gutter at each end. Hand tighten both T-bolts to hold in place.

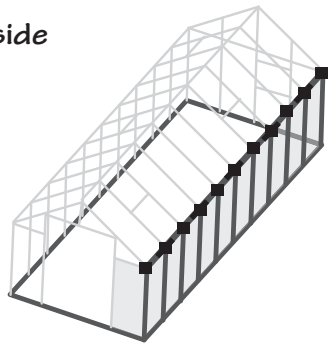




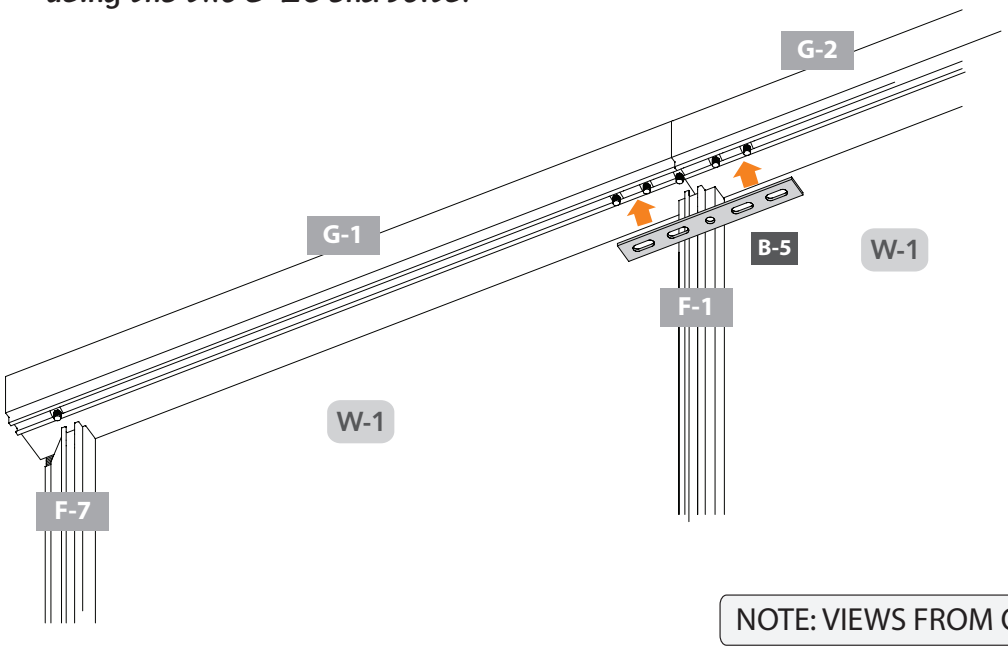
NOTE: VIEWS FROM INSIDE.

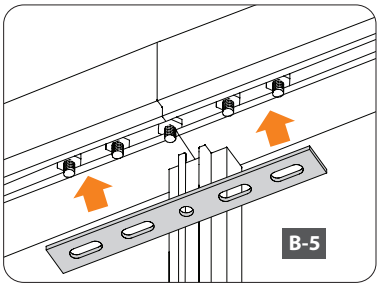
Connector		QTY
	S-7	2

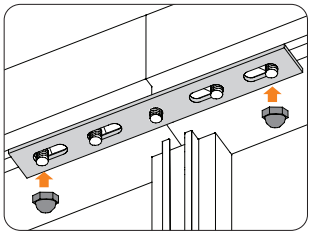
2.6A The gutters are secured together using B-5 connectors and attached to side profiles using B-3 connectors on the outside of the greenhouse. The B-3 connector uses the T-bolt in the center hole of B-5 connectors at seams. Loosen and slide T-bolts to line up with connectors making sure the seams line up and the gutters remain straight.



2.6B Begin at the six seams and arrange T-bolts so middle bolt is centered. Fit B-5 connector onto gutter and hold in place using the two S-2C end bolts.



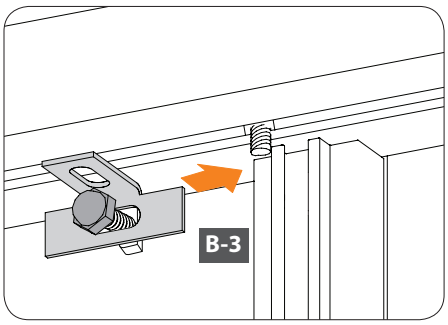


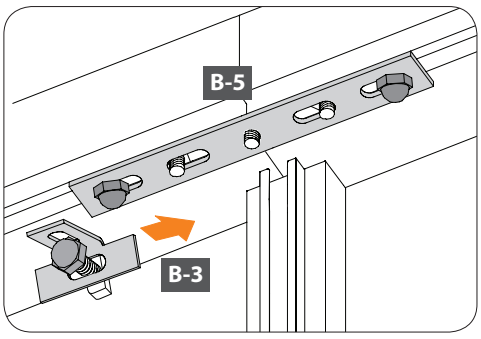


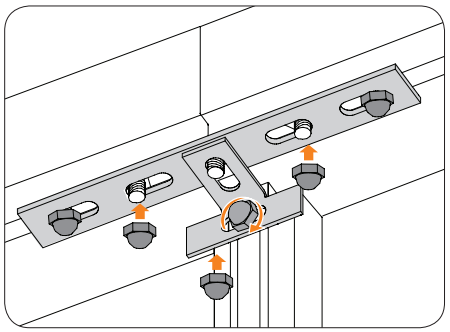
NOTE: VIEWS FROM OUTSIDE UNDER GUTTER.

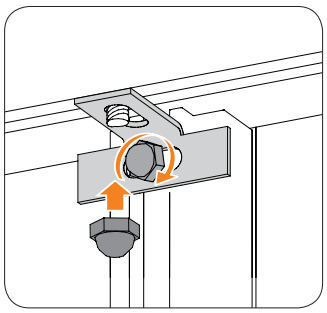
2.6C Place B-3 connector on center T-bolt on gutter. Insert T-bolt assembly through slot in B-3 connector to secure as shown.

NOTE: The bottom of B-3 connector extends past the edges of side and corner profiles. B-3 connector sits over B-5 connector. Secure all with 2-SC bolts.

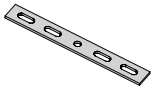
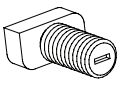
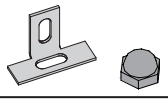






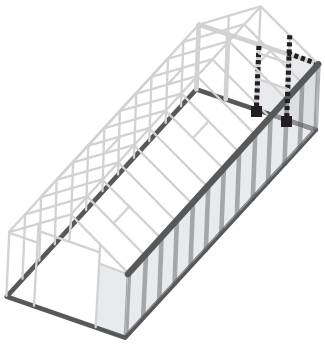


NOTE: VIEWS FROM OUTSIDE UNDER GUTTER.

Connector		QTY	Connector		QTY	Connector		QTY
	B-5	6		S-7	13		B-3 S-2C	13 50

Assemble Back Wall

CHECK YOUR WEATHER FORECAST. DO NOT CONTINUE ASSEMBLY DURING WINDS.

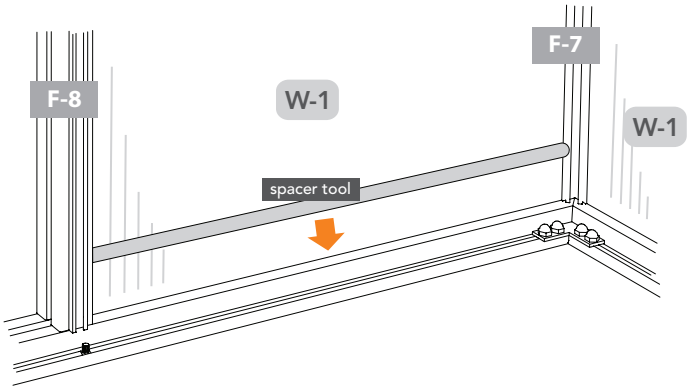


Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.

3.1A Working from inside, remove plastic film from both sides of one W-1 panel. Fit panel into channel in base and corner profile, placing side marked " UV Resistant" facing outside.

IMPORTANT: The panels expand and contract depending on the temperature. To ensure proper placement, use the 23 1/8 inch spacer included with the tools.

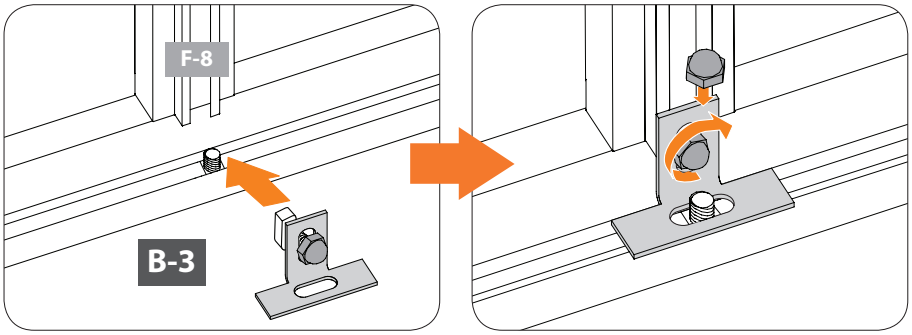
3.1B Position F-8 profile so the cut edge is angled down toward the right when installed. Place 23 1/8 inch spacer on base next to F-7 corner profile. Fit panel into channel in right F-8 profile. Slide F-8 profile against spacer to ensure proper placement.



NOTE: Position F-8 profile so cut edge is angled down towards nearest corner when installed.

WARNING: The cut edge of F-8 profile is sharp. Use extreme caution when handling.

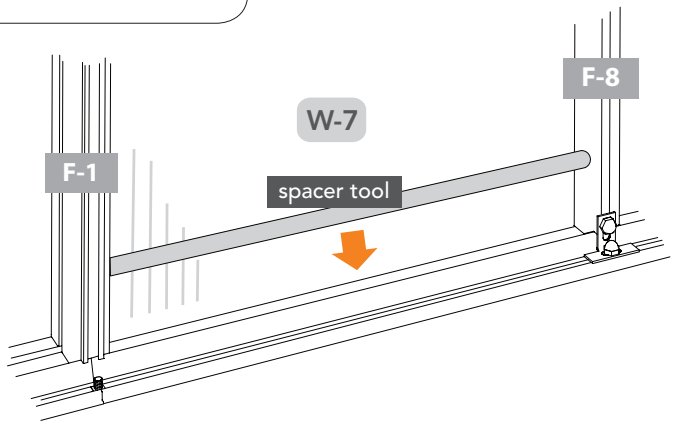
3.1C Use B-3 connector with T-bolt assemblies as shown to secure to base.

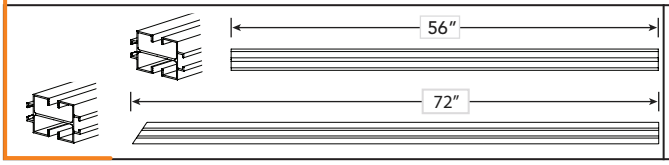
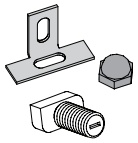


NOTE: ALL VIEWS FROM INSIDE.

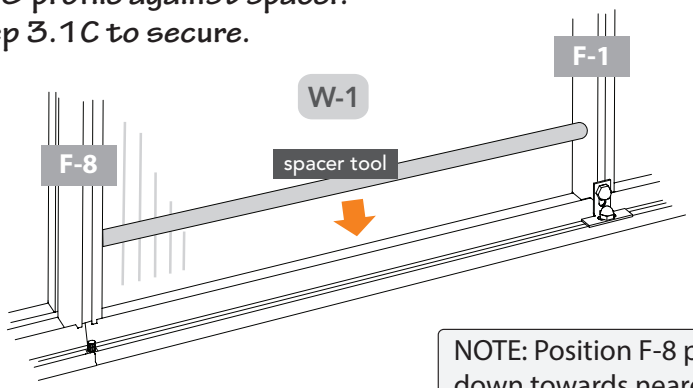
3.1D Remove plastic film and fit the W-7 panel into channel in base and F-8 profile. Position F-1 profile so that panel fits into channel in F-1 profile and slide F-1 profile against spacer to ensure proper placement.
Repeat step 3.1C to secure.

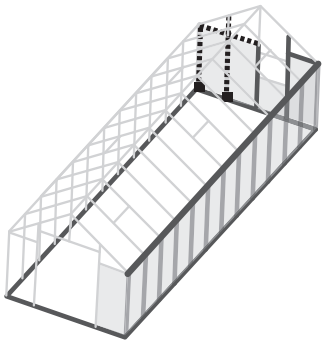
NOTE: VIEW FROM INSIDE.



Profile		QTY	Panels		QTY	Connector		QTY
	F-1 F-8	1 1		W-1 W-7	1 1		B-3 S-2C S-7	2 4 2

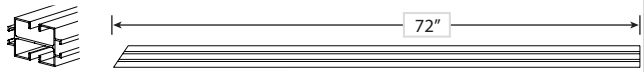
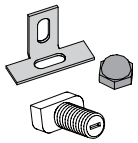
3.1E Remove plastic film and fit another W-1 panel and fit into channel in base and F-1 profile. Position left F-8 back profile so the cut edge is angled toward the left when installed. Fit panel into channel in left F-8 profile and slide F-8 profile against spacer.
Repeat step 3.1C to secure.



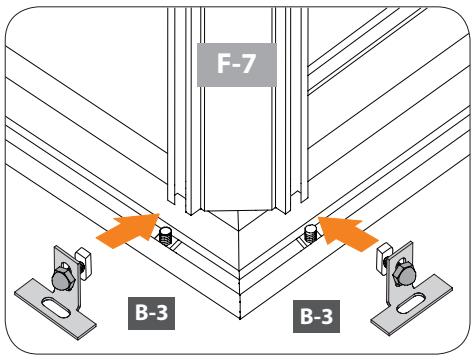


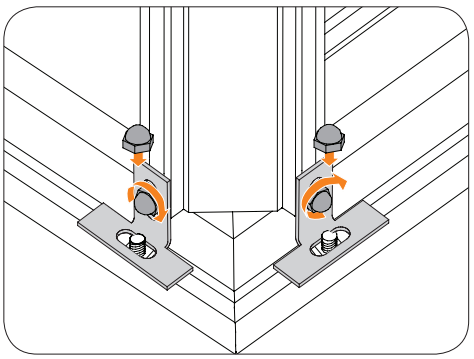
NOTE: VIEW FROM INSIDE.

NOTE: Position F-8 profile so cut edge is angled down towards nearest corner when installed.

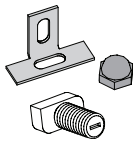
Profile	QTY	Panels	QTY	Connector	QTY
 F-8	1	W-1	2	 B-3 S-2C S-7	1 2 1

3.2 Remove plastic film and add the last W-1 panel to complete the side. From the outside, fit F-7 corner profile into place and use two B-3 connectors with T-bolt assemblies as shown to secure to base.

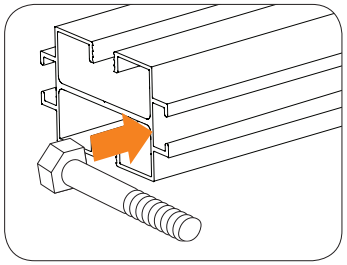


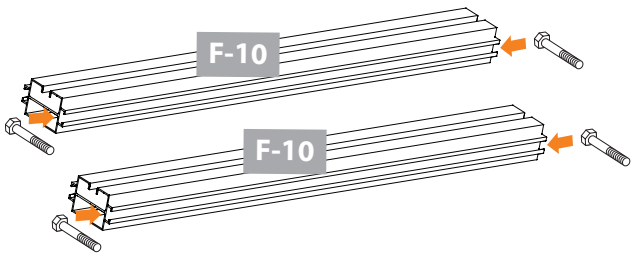


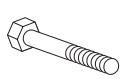
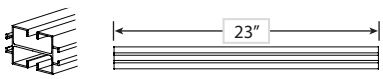
NOTE: VIEW FROM OUTSIDE.

Profile	QTY	Panel	QTY	Connector	QTY
F-7	1	W-1	1	 B-3 S-2C S-7	2 4 2

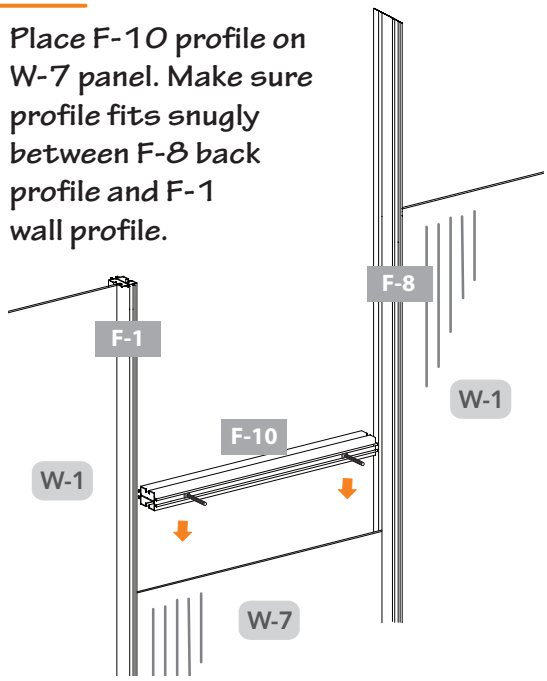
3.3 Prepare two F-10 profiles. Slide four S-11 connectors into bolt tracks on F-10 profiles.



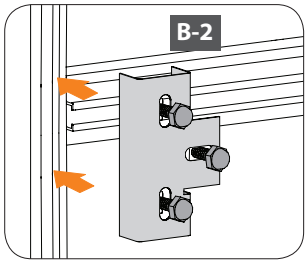


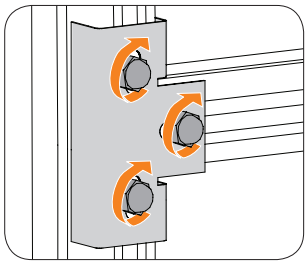
Connector	QTY	Profile	QTY
 S-11	4	 F-10	2

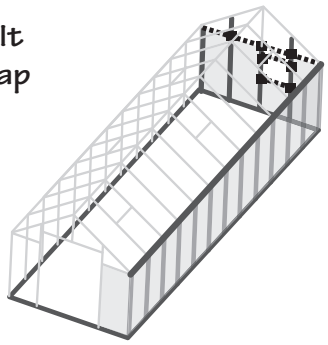
3.4A Place F-10 profile on W-7 panel. Make sure profile fits snugly between F-8 back profile and F-1 wall profile.



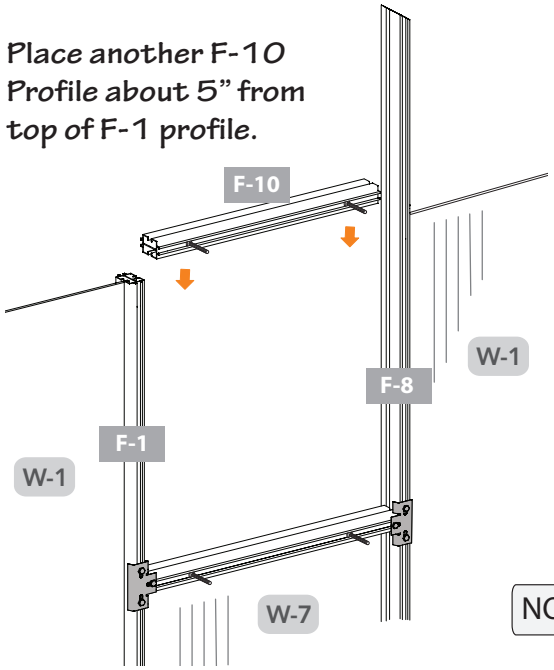
3.4B Secure B-2 with three T-bolt assemblies and one S-2C cap as shown.



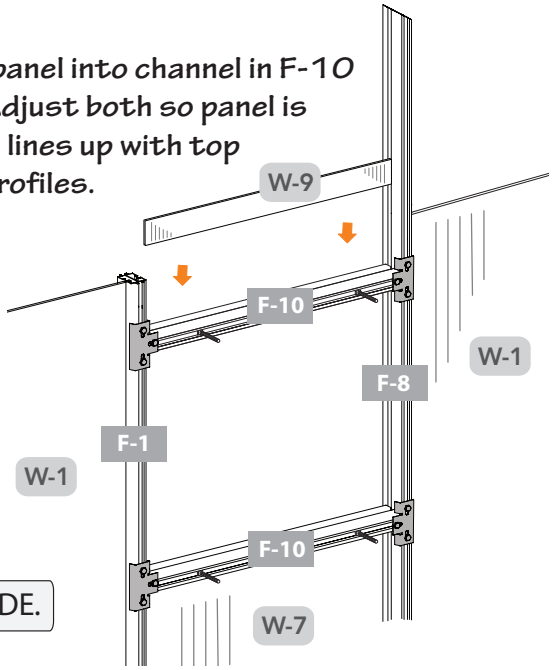




3.4C Place another F-10 Profile about 5" from top of F-1 profile.

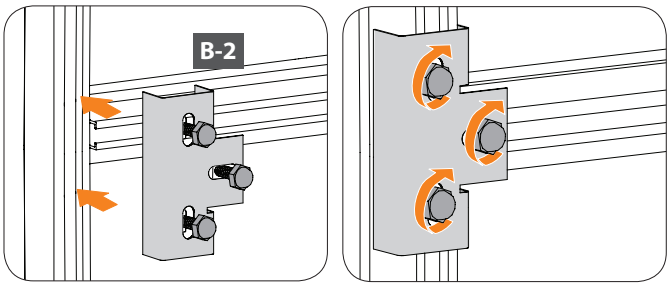


3.4D Fit W-9 panel into channel in F-10 profile. Adjust both so panel is snug and lines up with top of W-1 Profiles.



NOTE: VIEWS FROM INSIDE.

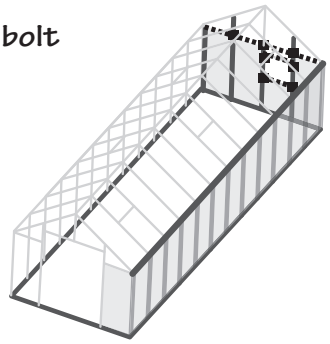
3.4E Secure B-2 with three T-bolt assemblies and one S-2C cap as shown.



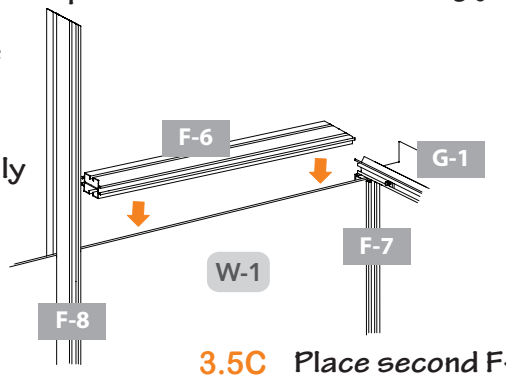
3.4F Working from outside, repeat steps 3.4B and 3.4E to install B-2 connectors on F-1 profiles.

Panel		QTY	Connectors		QTY
4½" x 24"	W-9	1		B-2 S-2C S-7	4 16 4

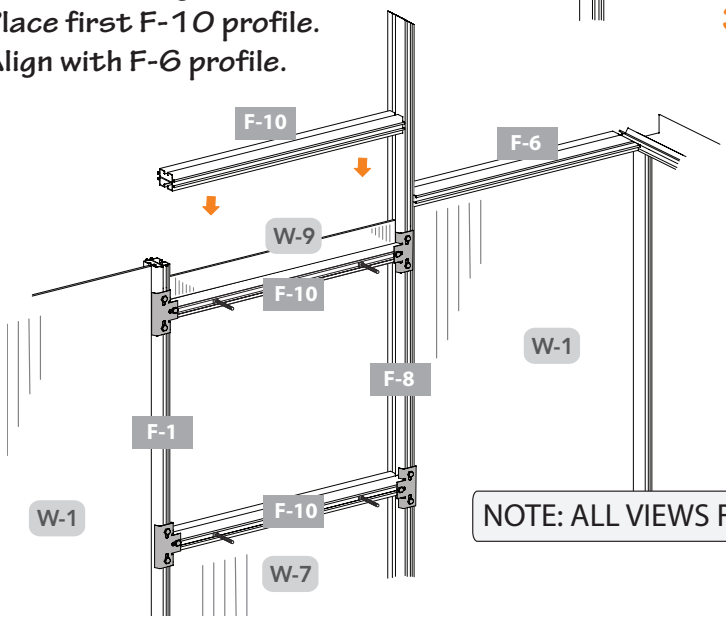
The two sets of F-6 and F-10 profiles fit on top of W-1 panels. Line up bottom bolt channels with top edge of F-1 and F-7 vertical profiles. Profiles will fit snugly.



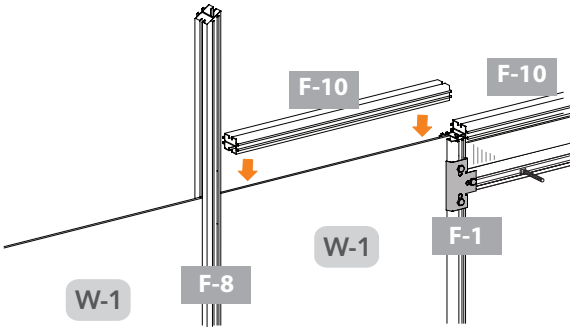
3.5A Working from inside right corner, place F-6 profile with mitered end next to corner and angled edge facing up onto corner W-1 panel. F-6 profile fits snugly between F-7 corner profile and F-8 back profile.



3.5B Continue along back wall. Place first F-10 profile. Align with F-6 profile.

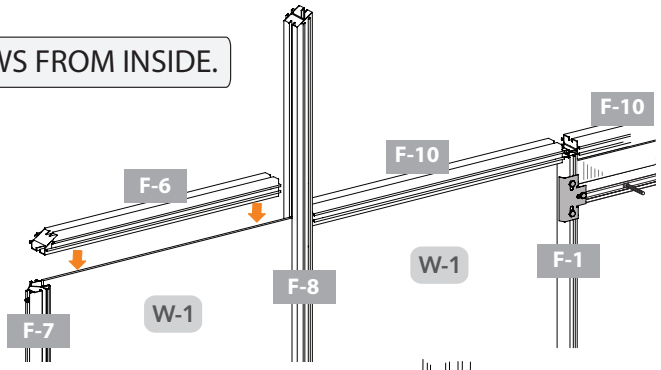


3.5C Place second F-10 profile on next W-1 panel and ensure it fits snugly between F-1 wall profile and F-8 back profile.

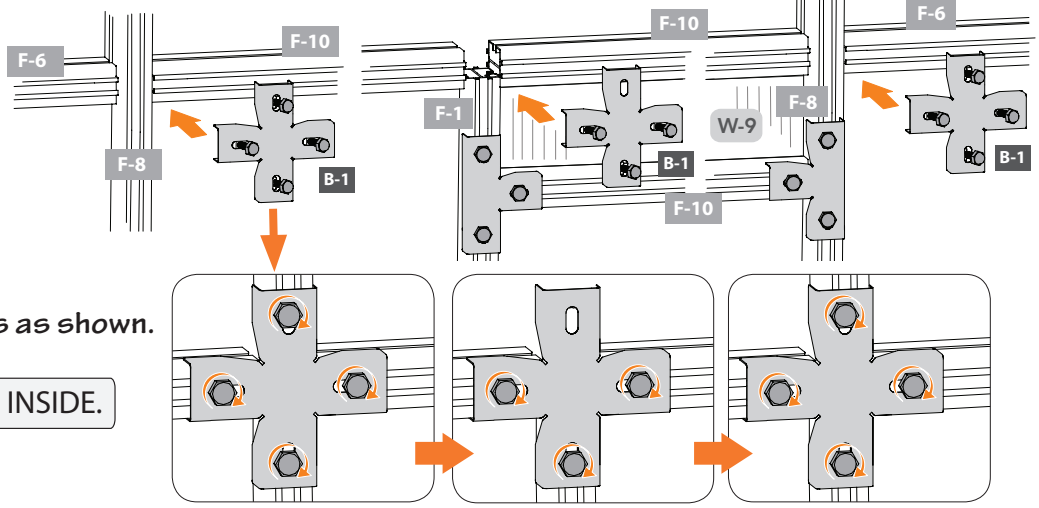


NOTE: ALL VIEWS FROM INSIDE.

3.5D Place second F-6 profile with mitered end next to corner and angled edge facing up onto corner W-1 panel. F-6 profile fits snugly between F-7 corner profile and F-8 back profile.

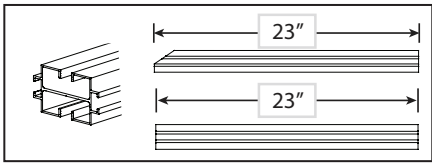
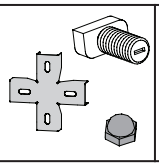


3.6A Insert eleven T-bolt assemblies in slots in B-1 connectors. Fit B-1 connector to profiles as shown.

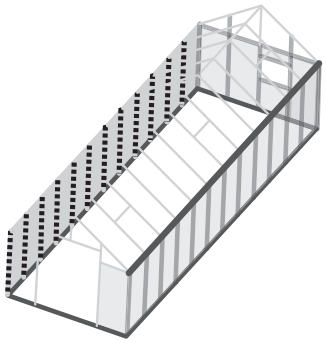


3.6B Secure B-1 connectors as shown.

NOTE: ALL VIEWS FROM INSIDE.

Profile		QTY	Connector	QTY
	F-6 F-10	2 2		S-7 B-1 S-2C	11 3 11

Assemble Left Wall



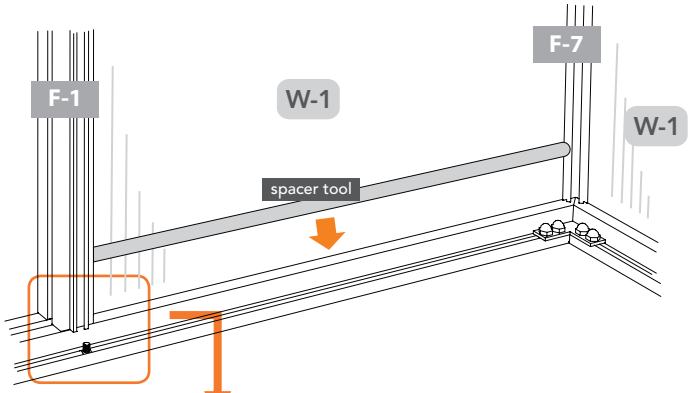
Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.

4.1A Continue working from inside back left corner. Remove plastic film from both sides of one W-1 panel. Fit panel into channel in base and corner profile, placing side marked " UV Resistant" facing outside.

IMPORTANT: The panels expand and contract depending on the temperature. To ensure proper placement, use the 23 1/8 inch spacer included with the tools.

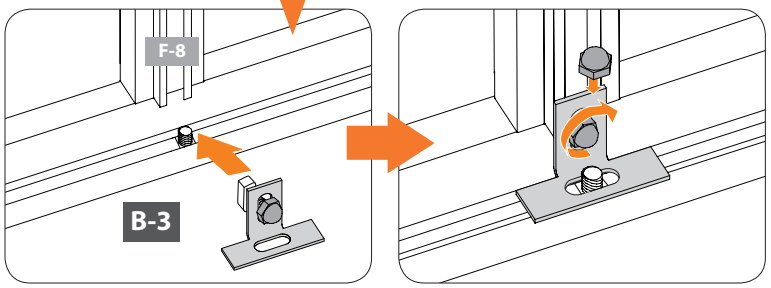
4.1B Place 23 1/8 inch spacer on base next to F-7 corner profile. Fit panel into channel in F-1 profile and slide F-1 profile against spacer to ensure proper placement.

NOTE: Panels will not fit completely to end of channels. There will be some space to allow for temperature changes.

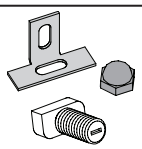


4.1C Use B-3 connector with T-bolt assembly plus an S-2C cap, as shown, to secure to base.

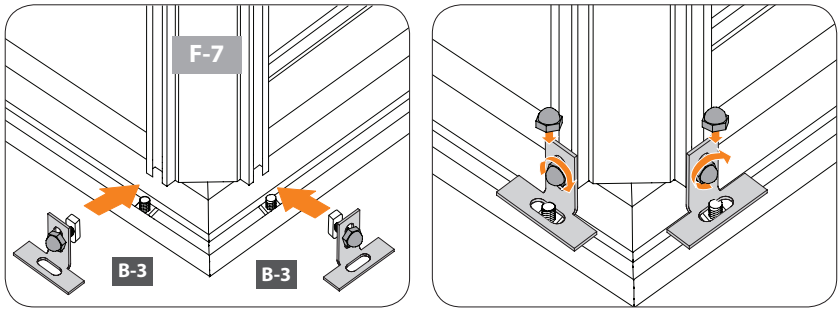
NOTE: VIEWS FROM INSIDE.

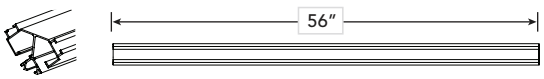
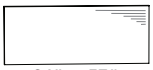
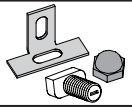


4.1D Continue building the side wall from the inside. Use the spacer with each panel and the ten remaining F-1 profiles And W-1 panels. Repeat steps 4.1A through 4.1C.

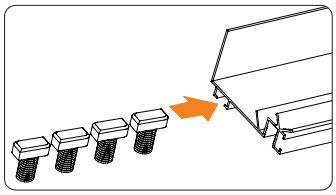
Profile		QTY	Panel		QTY	Connector	QTY
	F-1	9	24" x 57"	W-1	11		B-3 S-2C S-7	9 18 9

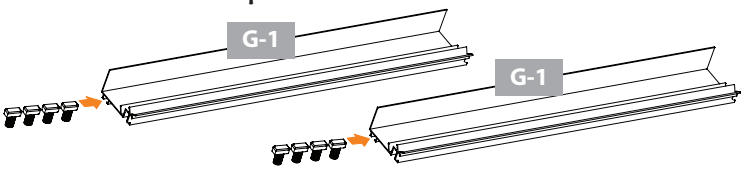
4.2 Remove plastic film and add the last W-1 panel to complete the side. From the outside, fit F-7 corner profile into place and use two B-3 connectors with T-bolt assemblies as shown to secure to base.

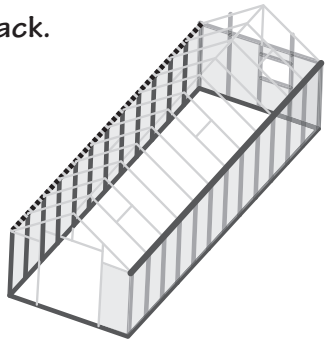


Profile		QTY	Panel		QTY	Connector	QTY
	F-7	1	 24" x 57"	W-1	1		B-3 S-2C S-7	2 4 2

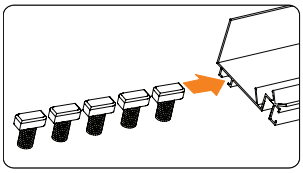
4.3A Prepare two G-1 gutter profiles by sliding four T-bolts into bottom bolt track. Hand tighten each end T-bolt to hold in place.

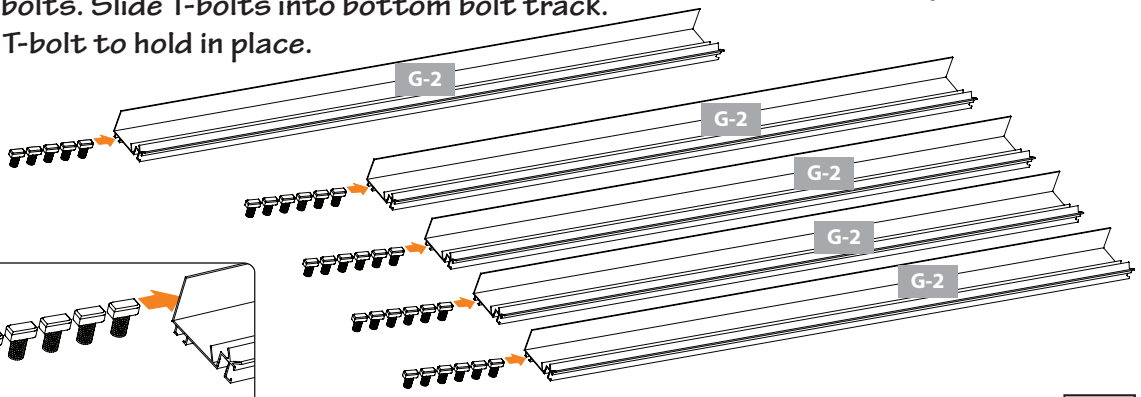


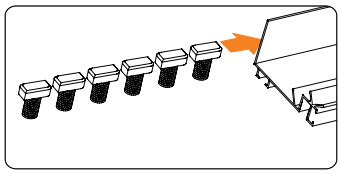




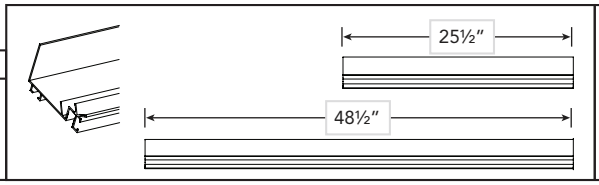
4.3B Prepare four G-2 gutter profile with six T-bolts and the other G-2 gutter profile with five T-bolts. Slide T-bolts into bottom bolt track. Hand tighten end T-bolt to hold in place.



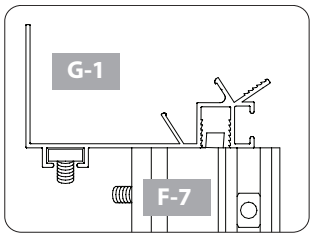




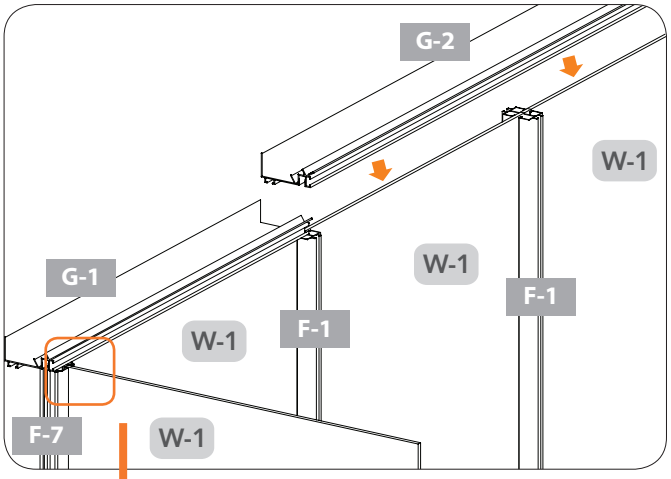
Connector		QTY
	S-7	37

Profile		QTY
	G-1	2
	G-2	5

4.4A Working from inside, place G-1 and G-2 gutter profiles, fitting top edge of W-1 panels into channels of gutters. Place one short G-1 gutter profile at each end and the five longer G-2 gutter profiles in the center. Seams are centered to bolt tracks in F-1 profiles.

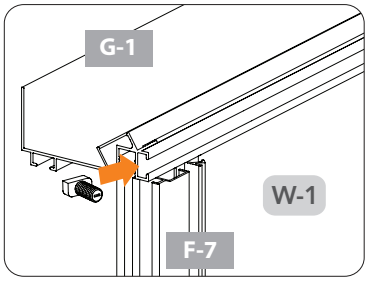


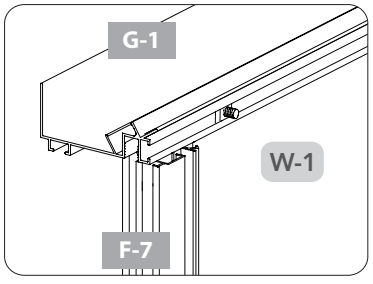
NOTE: At front and back, edge of G-1 gutter profile lines up flush with edge of F-7 corner profile.

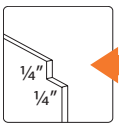


NOTE: VIEW FROM INSIDE.

4.4B Place one T-bolt on the inside bolt track of the gutter at each end. Hand tighten both T-bolts to hold in place.





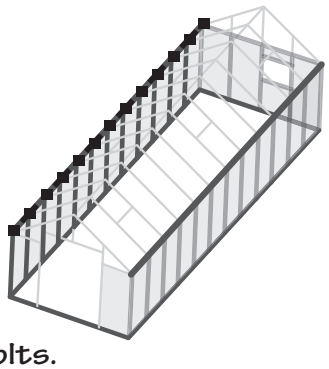


NOTE: In some cases a ¼" x ¼" notch in top corner of W-1 panel will provide a better fit for G-1 gutter profile.

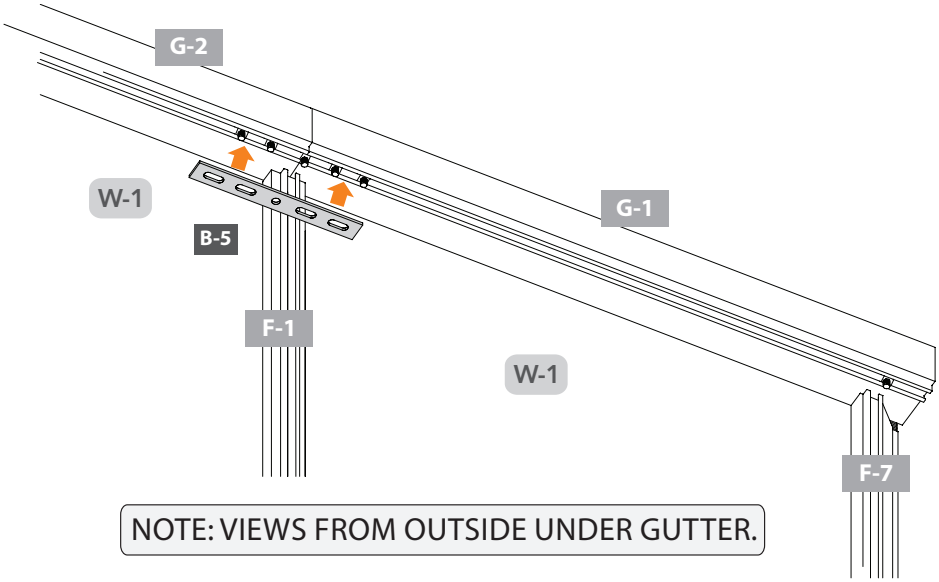
NOTE: VIEWS FROM INSIDE.

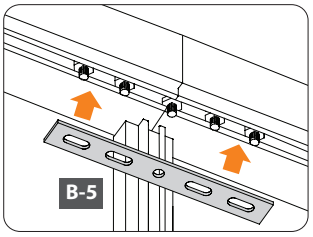
Connector		QTY
	S-7	2

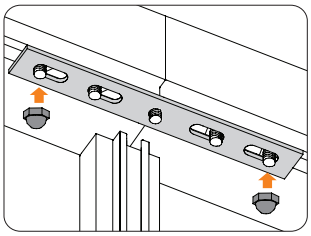
4.5A The gutters are secured together using B-5 connectors and attached to side profiles using B-3 connectors on the outside of the greenhouse. The B-3 connector uses the T-bolt in the center hole of B-5 connectors at seams. Loosen and slide T-bolts to line up with connectors making sure the seams line up and the gutters remain straight.



4.5B Beginning at the seams, arrange T-bolts so middle bolt is centered. Fit B-5 connector onto gutter and hold in place using the two S-2C end bolts.



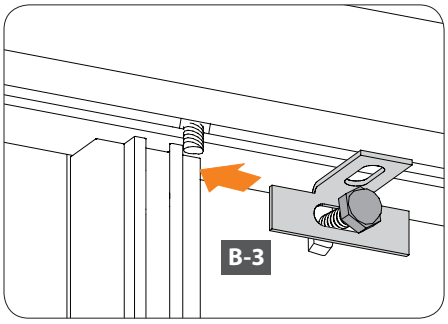


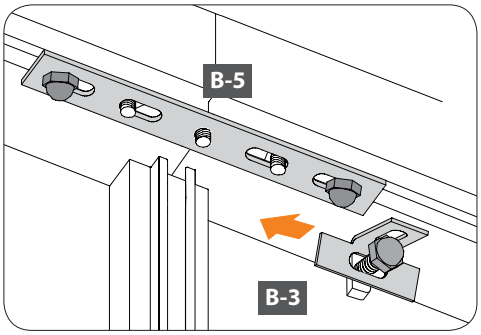


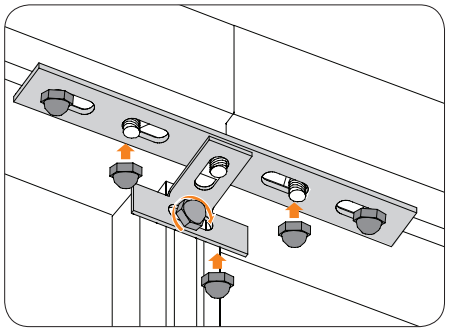
NOTE: VIEWS FROM OUTSIDE UNDER GUTTER.

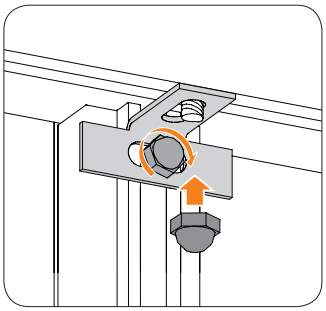
4.5C Loosen T-bolts on side profiles and slide down. Place B-3 connector on center T-bolt on gutter. Insert T-bolt assembly through slot in B-3 connector to secure as shown.Tighten T-bolts and secure with S-2C caps.

NOTE: The bottom of B-3 connector extends past the edges of side and corner profiles. B-3 connector sits over B-5 connector. Secure all with 2-SC bolts.

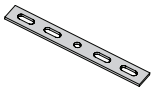
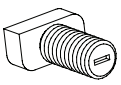
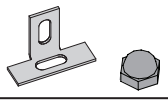








NOTE: VIEWS FROM OUTSIDE UNDER GUTTER.

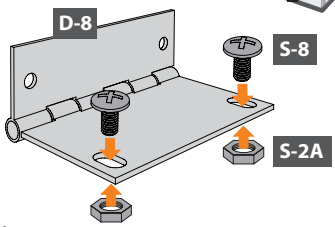
Connector		QTY	Connector		QTY	Connector		QTY
	B-5	6		S-7	13		B-3 S-2C	13 50

Assemble Front Wall and Gable

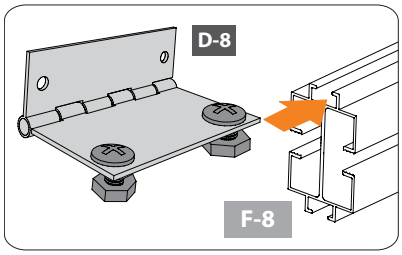
Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.

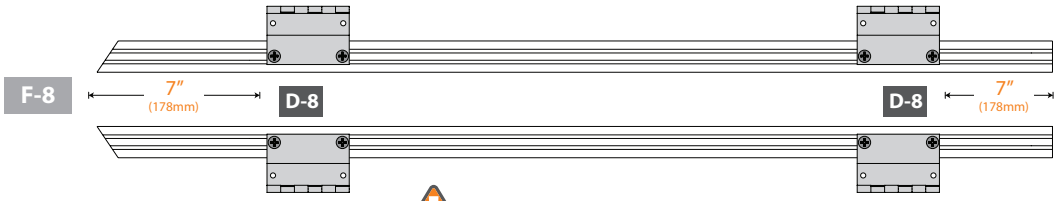
NOTE: The door frame is 69¼" from the base. To avoid adjusting the placement after assembly, prepare door frame using the exact measurements listed in these steps.

5.1A Prepare four D-8 hinges. Fit S-8 bolts in holes in D-8 hinge. Line up with S-2A nuts under hinge. Screw together. Do not tighten. Repeat to prepare three more hinges.



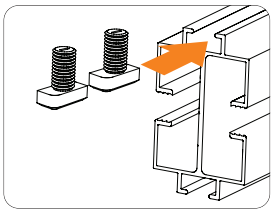
5.1B Slide two D-8 hinges into bolt track of both F-8 profiles and position exactly as shown. Use Phillips screwdriver to tighten S-7 bolts to hold D-8 hinges in place.



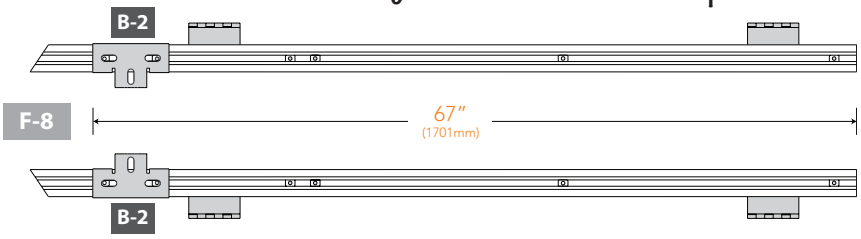


WARNING: The cut edge of F-8 profile is sharp. Use extreme caution when handling.

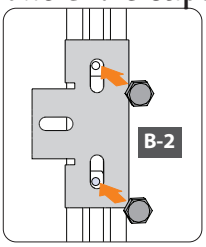
5.1C Turn profiles over. Slide six T-bolts into bolt track of both profiles and position as shown.



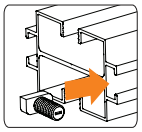
5.1D Fit B-2 connector onto profile and position so bottom of connector measures exactly 67" from bottom of profile.

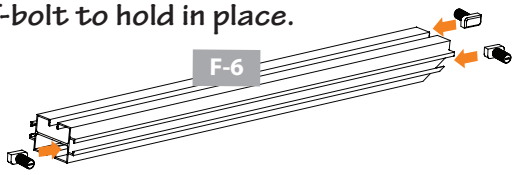


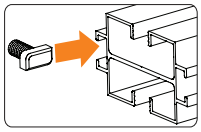
5.1E Secure each B-2 connector with two S-2C caps.

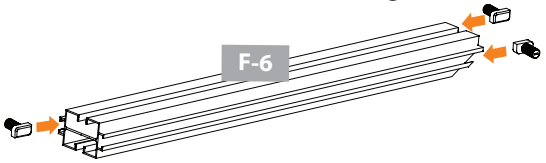


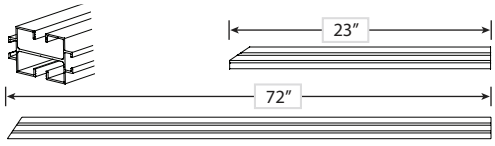
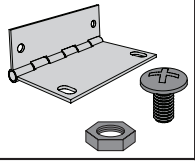
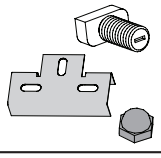
5.1F Prepare two F-6 profiles. Slide T-bolts into both bolt tracks on mitered end of profile and one bolt track on the other end. The single T-bolt will sit on outside when installed. Hand tighten each T-bolt to hold in place.







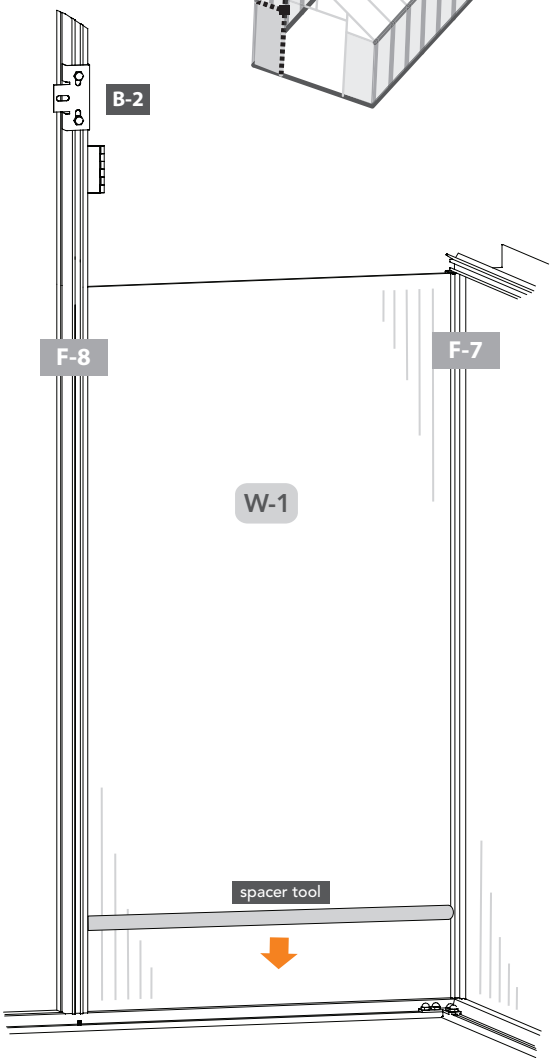


Profile		QTY	Connector		QTY	Connector		QTY
	F-6	2		D-8	4		S-7	18
	F-8	2		S-8	8		B-2	2
				S-2A	8		S-2C	4

5.2A Working from inside front right corner, remove plastic film from both sides of one W-8 panel. Fit panel into channel in base and corner profile, placing side marked " UV Resistant" facing outside.

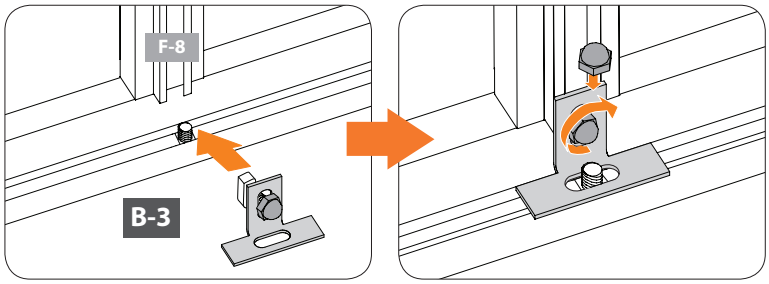
IMPORTANT: The panels expand and contract depending on the temperature. To ensure proper placement, use the 23 1/8 inch spacer included with the tools.

5.2B Place 23 1/8 inch spacer on base next to F-7 corner profile. Position right F-8 profile so single T-bolt is next to base on inside and the cut edge angled down toward the nearest corner when installed. B-2 connector is pointing towards door opening. Fit panel into channel in F-8 profile and slide F-8 profile against spacer to ensure proper placement.



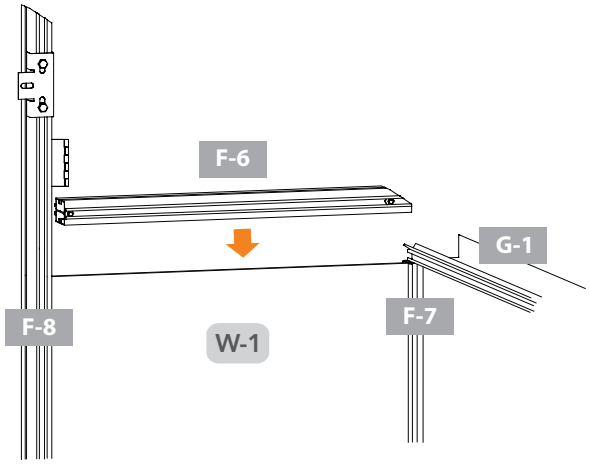
NOTE: Panels will not fit completely to end of channels. There will be some space to allow for temperature changes.

5.2C Use B-3 connector with T-bolt assemblies as shown to secure to base.



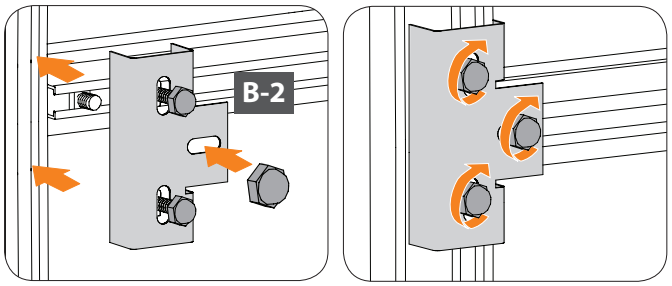
NOTE: VIEWS FROM INSIDE.

5.2D Continue working from inside left corner, place F-6 profile with mitered end next to corner and angled edge facing up onto corner W-1 panel. F-6 profile fits snugly between F-7 and F-8 profiles.



NOTE: VIEW FROM INSIDE.

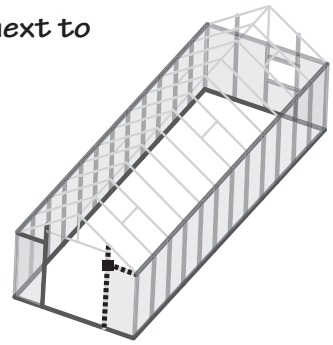
5.2E Secure B-2 with two T-bolt assemblies and one S-2C cap as shown.



NOTE: VIEWS FROM INSIDE.

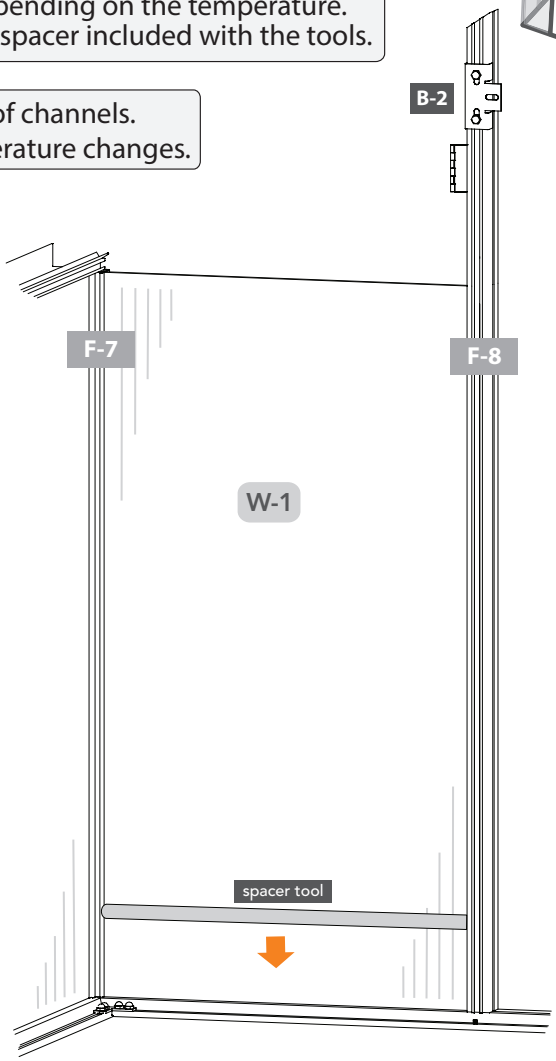
Panel		QTY	Connector		QTY	Connector		QTY
24" x 57"	W-8	1		B-3 S-2C	1 2		B-2 S-2C	1 3

5.3A Working from inside front right corner, place 23 1/8 inch spacer on base next to F-7 corner profile. Position left F-8 profile so single set screw is next to base on inside and the cut edge angled down toward the nearest corner when installed. B-2 connector is pointing towards door opening. Fit panel into channel in F-8 profile and slide F-8 profile against spacer to ensure proper placement.

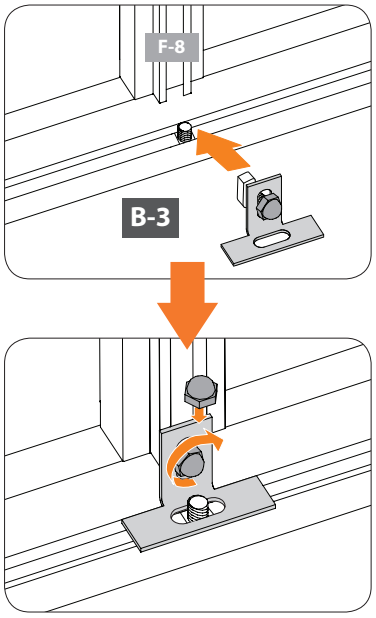


IMPORTANT: The panels expand and contract depending on the temperature. To ensure proper placement, use the 23 1/8 inch spacer included with the tools.

NOTE: Panels will not fit completely to end of channels. There will be some space to allow for temperature changes.

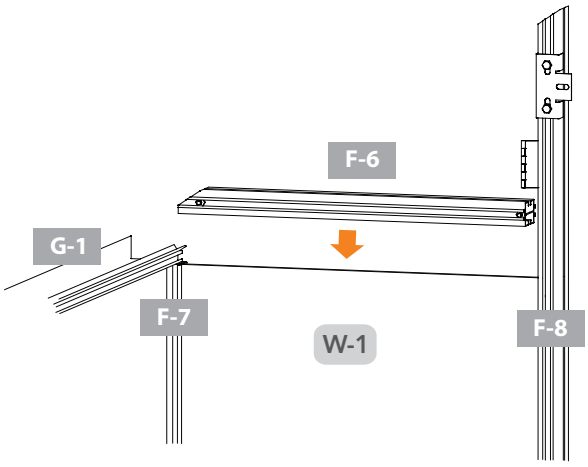


5.3B Use B-3 connector with T-bolt assemblies as shown to secure to base.



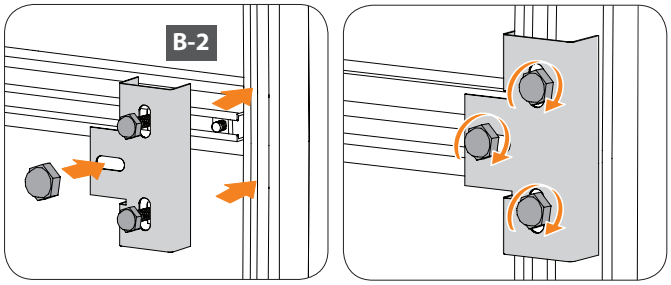
NOTE: VIEWS FROM INSIDE.

5.3C Continue working from inside right corner, place F-6 profile with mitered end next to corner and angled edge facing up onto corner W-1 panel. F-6 profile fits snugly between F-7 and F-8 profiles.

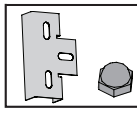


NOTE: VIEW FROM INSIDE.

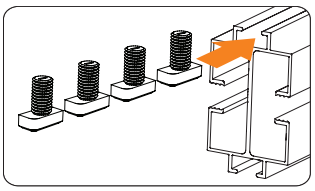
5.3D Secure B-2 with two T-bolt assemblies and one S-2C cap as shown.

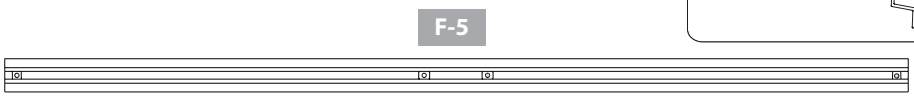


NOTE: VIEWS FROM INSIDE.

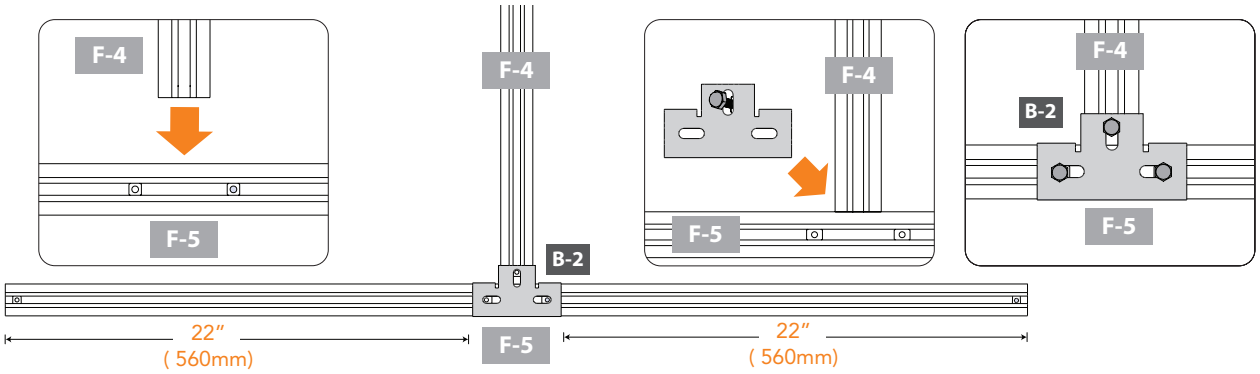
Connector		QTY
	B-2	1
	S-2C	3

5.4A Prepare one F-5 profile. Slide four T-bolts into bolt tracks and position as shown.



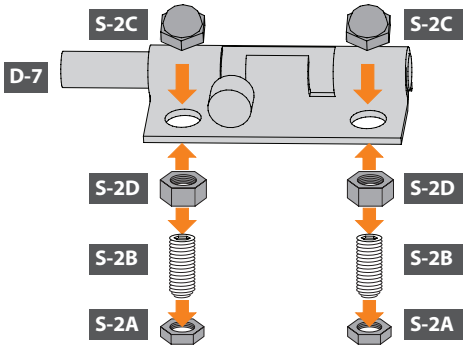


5.4B Place one end of F-4 profile against F-5 profile on flat level surface. Center F-4 profile to F-5 profile. Insert a T-bolt assembly into the top slot of the B-2, place the B-2 in position and adjust T-bolts to fit B-2 connector. Secure with two additional S-2C caps.

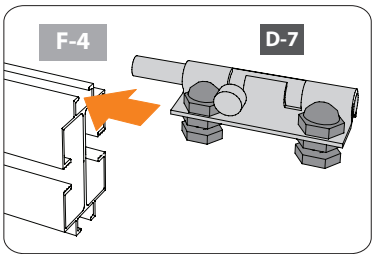


IMPORTANT: F-4 profile is centered to F-5 profile and secured on inside with B-2 connector.

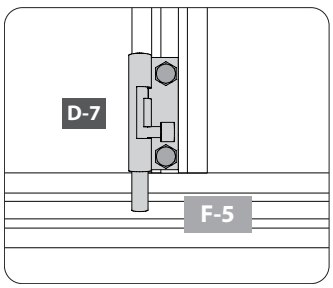
5.4C Prepare D-7 latch. Fit S-8 bolts in holes in D-7 latch. Line up with S-2A and S-2D nuts under latch. Screw together. Do not tighten.

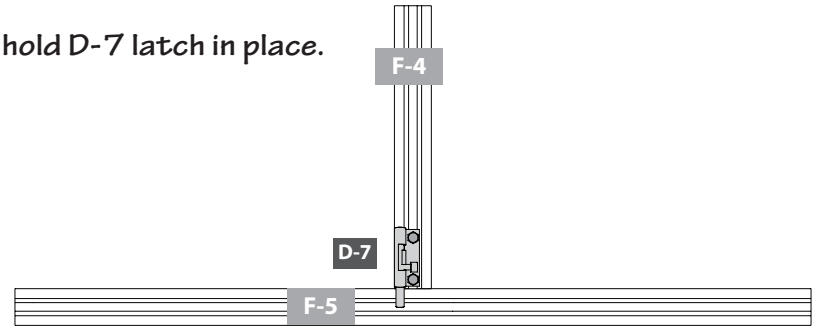


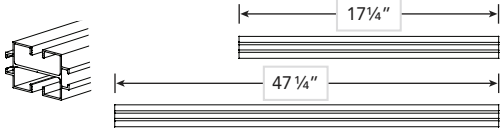
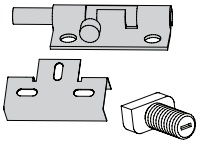
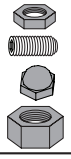
5.4D Turn profiles over and place on flat surface. Slide D-7 latch into bolt track of F-4 profile and slide to bottom where two profiles meet.



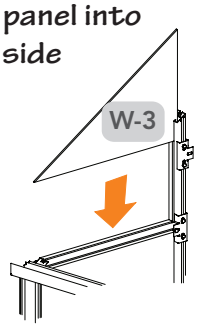
5.4E Using wrench, tighten 2-SC caps to hold D-7 latch in place.

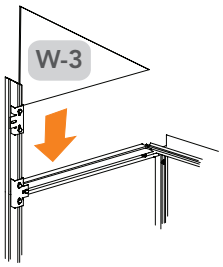


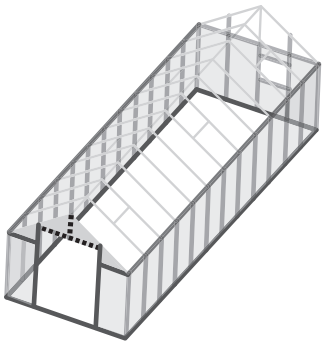


Profile		QTY	Connector		QTY	Connector		QTY
	F-4	1		D-7	1		S-2A	2
	F-5	1		B-2	1		S-2B	2
				S-7	6		S-2C	2
							S-2D	8

5.5A Working from inside, remove plastic film from both sides of two W-3 panels. Fit each panel into channels in profiles, placing side marked " UV Resistant" facing outside.



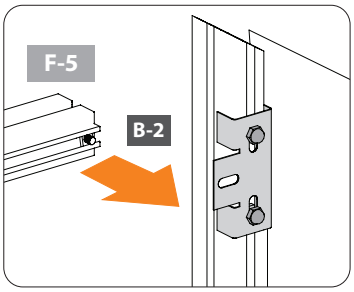


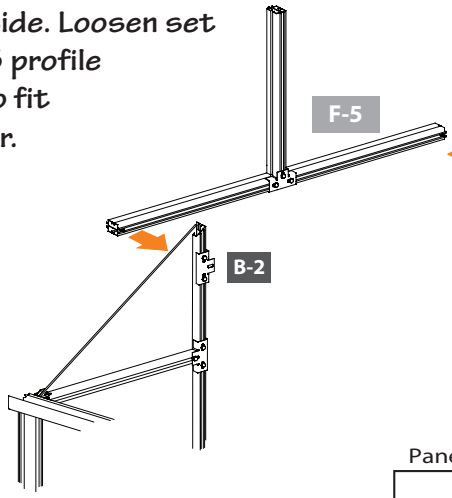


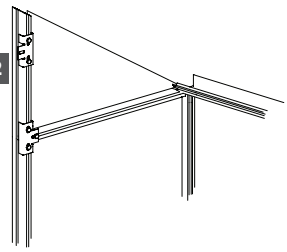
WARNING: The corners of W-3 panels are sharp. Use extreme caution when handling.

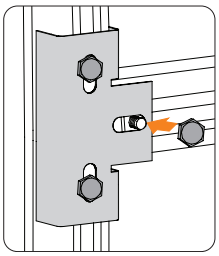
5.5C Secure with two bolts. Ensure height to base is 68¾".

5.5B Continue working from inside. Position door frame so barrel latch is on outside. Loosen set screws on ends of F-5 profile and adjust position to fit holes in B-2 connector.







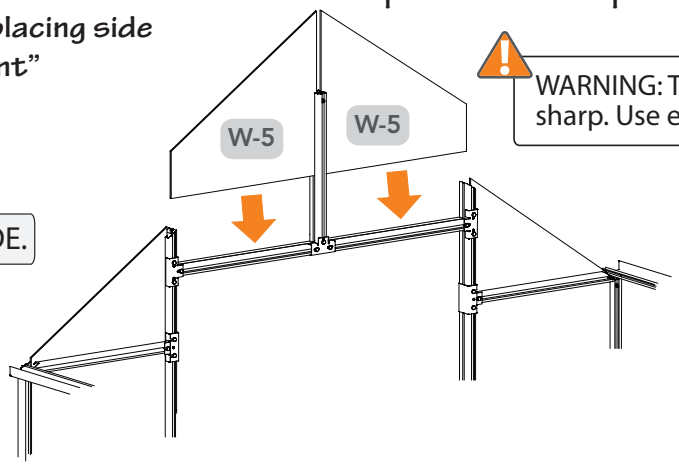


NOTE: VIEWS FROM INSIDE.

Panel	QTY	Connector	QTY
24" x 15½" W-3	2	S-2C	2

5.6 Remove plastic film from both sides of two W-5 panels. Fit each panel into channels in profiles, placing side marked " UV Resistant" facing outside.

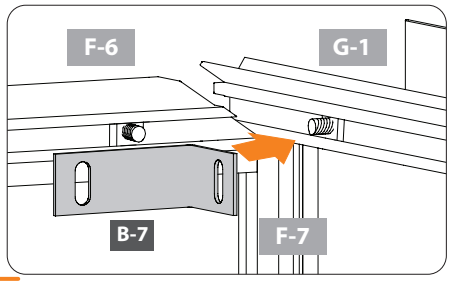
NOTE: VIEWS FROM INSIDE.

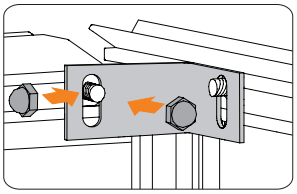


WARNING: The corners of W-5 panels are sharp. Use extreme caution when handling.

Panel	QTY
24" x 18½" W-5	2

5.7 From inside, add connectoaB-7 to each corner. Secure each with two S-2C caps.



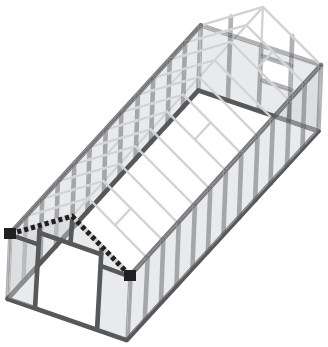


NOTE: VIEWS FROM INSIDE.

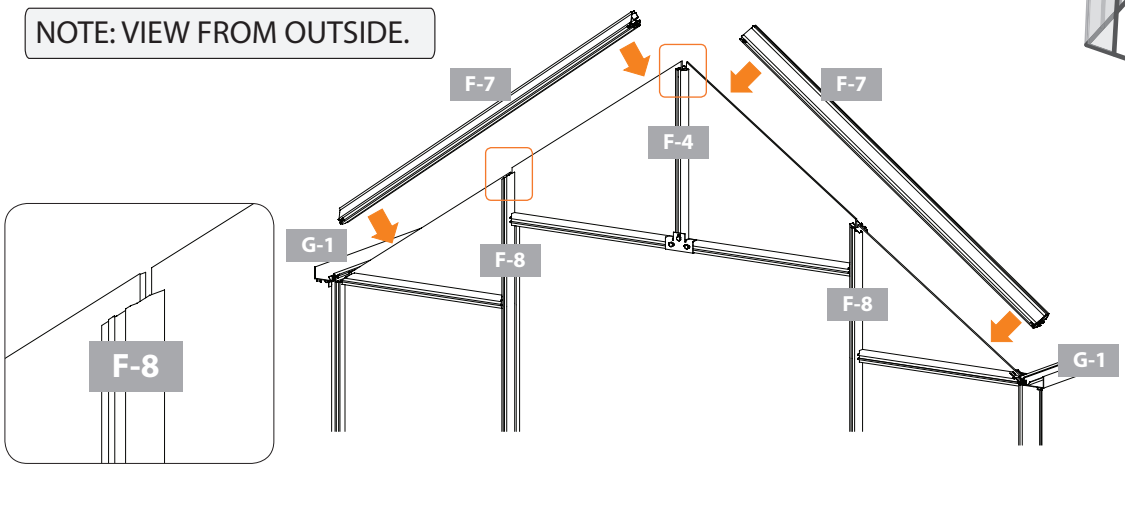
IMPORTANT: Bolt track of F-6 front profile is lower than bolt track of G-1 gutter profile.

Connector	QTY
B-7	2
S-2C	4

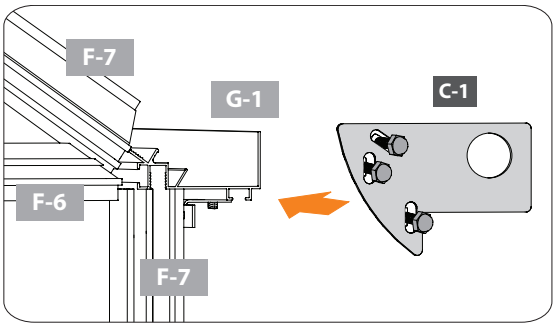
5.8A From outside fit F-7 profiles into each side of front. Begin with either side. Arrange F-7 profile so channel lines up with tops of panels. The side of the profile rests against cut angle of F-8 profile. The top end touches edge of F-4 center profile and bottom end touches top of G-1 gutter. Position both F-7 profiles.

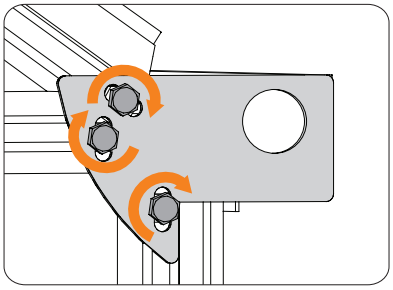


NOTE: VIEW FROM OUTSIDE.



5.8B Use C-1 connector with three T-bolt assemblies to secure each outside corner. Make sure all profiles line up flush against each other. Repeat on other side.

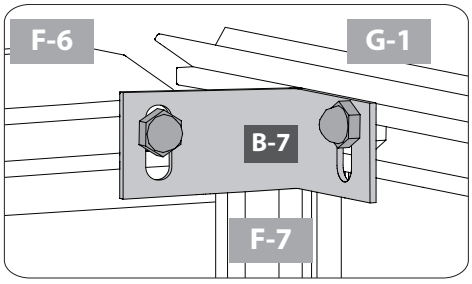


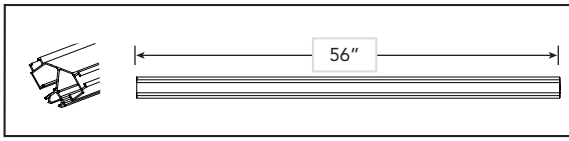
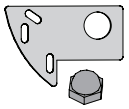


NOTE: VIEW FROM OUTSIDE.

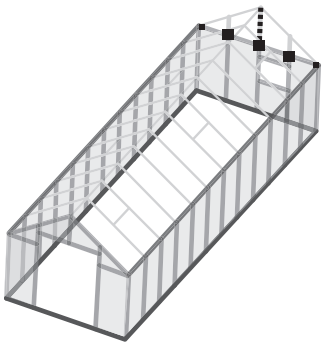
5.8C Check inside corners to ensure B-7 connector is still in proper position. If it needs adjusting, repeat steps 5.7 and 5.8C through 5.8D until each corner is set.

NOTE: VIEWS FROM INSIDE.



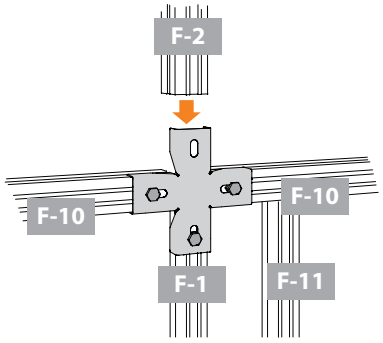
Profile		QTY	Connector		QTY	Connector		QTY
	F-7	2		S-7	6		C-1 S-2C	2 6

Assemble Back Gable

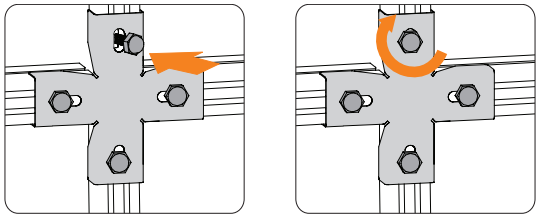


Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.

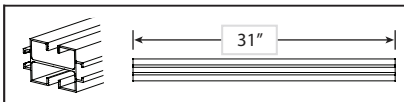
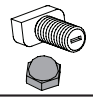
6.1A Working from inside, place F-2 profile on F-1 profile. Make sure profiles are straight.



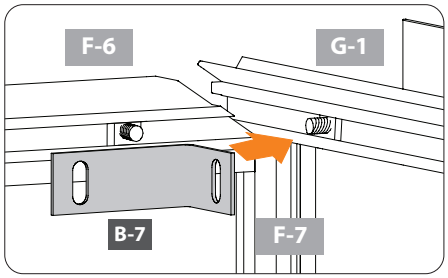
6.1B Secure to B-1 connector with one T-bolt assembly.

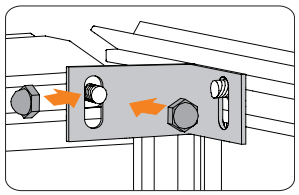


NOTE: VIEWS FROM INSIDE.

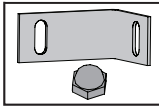
Profile		QTY	Connector		QTY
	F-2	1		S-7 S-2C	4 1

6.2 From inside, add connector B-7 to each corner. Secure each with two S-2C caps.

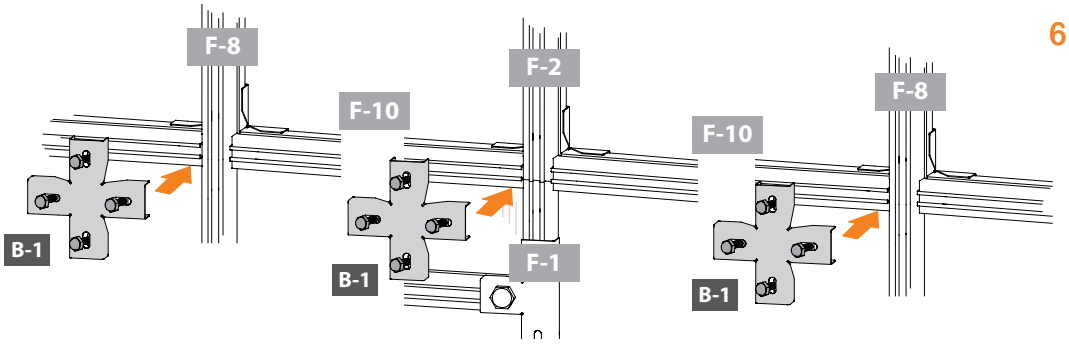




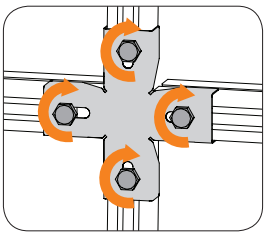
IMPORTANT: Bolt track of F-6 front profile is lower than bolt track of G-1 gutter profile.

Connector		QTY
	B-7 S-2C	2 4

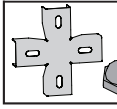
6.3A Work from outside to add B-1 connectors in the same position as inside. Loosen T-bolts on profiles and adjust position to fit holes in B-1 connectors. Fit B-1 connector to profiles.



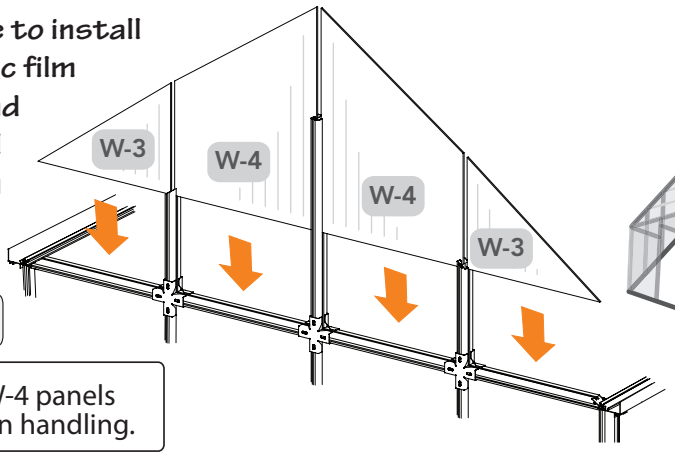
6.3B Secure each B-1 connector as shown.



NOTE: VIEWS FROM OUTSIDE.

Connector		QTY
	B-1 S-2C	3 12

6.4 Continue working from outside to install panels a shown. Remove plastic film from both sides of two W-3 and two W-4 panels. Fit each panel into channel in profiles, placing side marked " UV Resistant" facing outside.



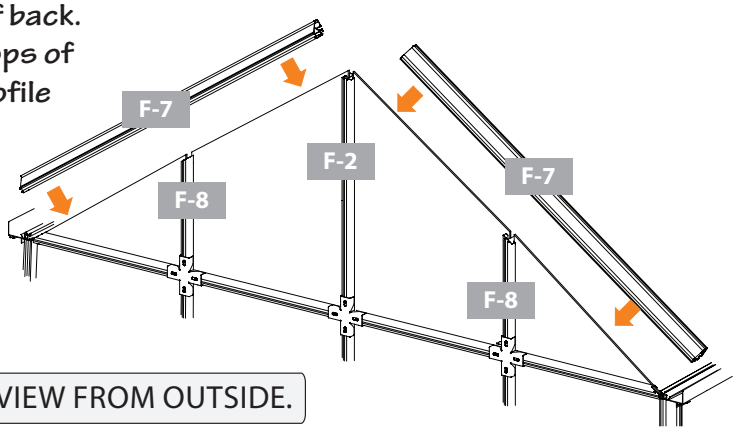
NOTE: VIEW FROM OUTSIDE.

WARNING: The corners of W-3 and W-4 panels are sharp. Use extreme caution when handling.

NOTE: Panels will not fit completely to end of channels. There will be some space to allow for temperature changes.

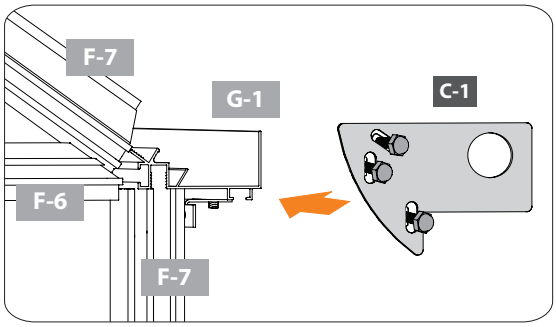
Panel		QTY	Panel		QTY
24" x 15 ¼"	W-3	2	24" x 30 ¾"	W-4	2

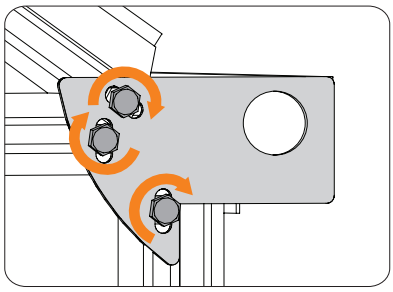
6.5A From outside fit F-7 profiles into each side of back. Arrange the profile so channel lines up with tops of panels. Begin with either right or left side. Profile side fits against cut angle of F-8 profile. One end touches top of gutter and top end touches edge of F-2 center profile. Position both F-7 profiles.



NOTE: VIEW FROM OUTSIDE.

6.5B Use C-1 connector with three T-bolt assemblies to secure each outside corner. Make sure all profiles line up flush against each other. Repeat on other side.

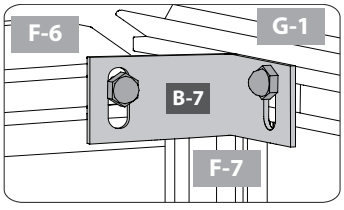




Profile		QTY	Connector		QTY	Connector		QTY
56"	F-7	2		S-7	6		C-1 S-2C	2 6

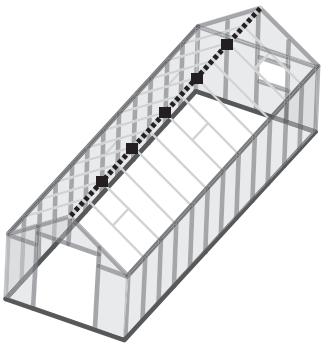
6.6 Check inside corners to ensure B-7 connector is still in correct position. If it needs adjusting, repeat steps 6.5B until each corner is properly set.

NOTE: VIEW FROM INSIDE.

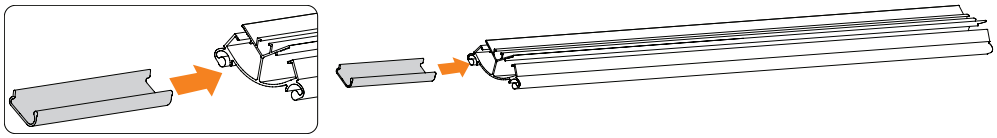


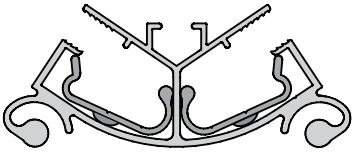
Assemble Roof Ridge

Make certain the pieces are in the correct positions before securing. Carefully follow the order of assembly to ensure an easy installation. Wear proper safety gear including work shoes, gloves and goggles.



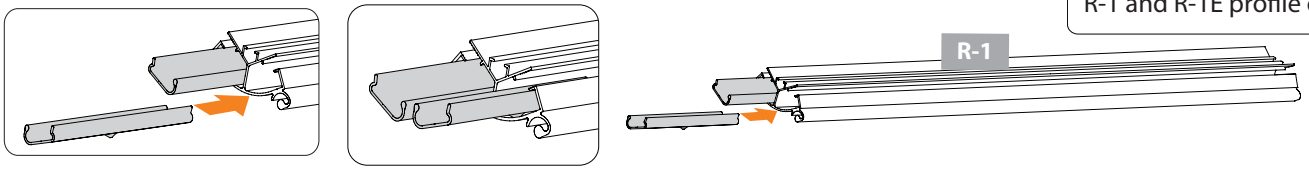
7.1A Install B-10 splice with C-curve positioned next to center opening in R-1 profile. Use screwdriver handle to tap until friction dimple holds it in place.



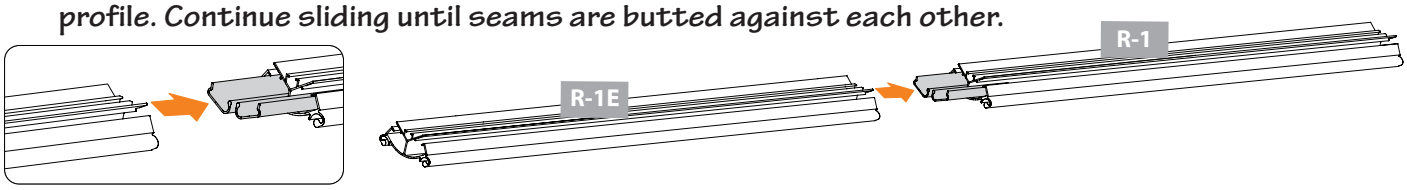


NOTE: Position each B-10 splice with C-curve next to center in R-1 and R-1E profile openings.

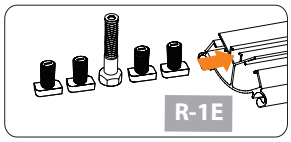
7.1B Install another B-10 splice with C-curve positioned next to center opening in R-1 profile. Use screwdriver handle to tap to push splice approximately 1/4" farther into profile than first splice.



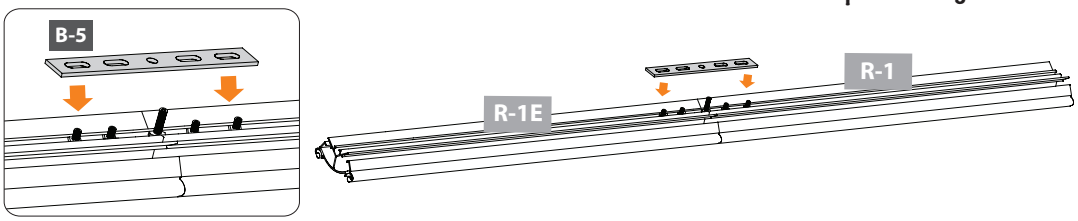
7.1C Slide R-1E profile toward R-1 profile. Make sure both B-10 splices fit into openings in R-1E profile. Continue sliding until seams are butted against each other.



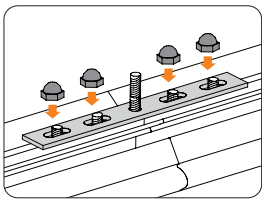
7.1D Slide four T-bolts and one S-5A long hex bolt into channel in one end of R-1E profile as shown. Hand tighten first and last T-bolts to hold in place.



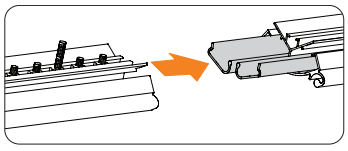
7.1E Loosen and adjust position of set screws and long hex bolt to fit holes in B-5 connector. Position B-5 connector with the long hex bolt in center hole, and center to the seam where the profiles join.



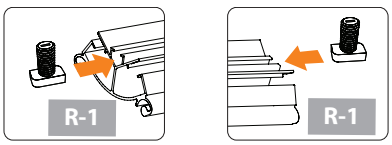
7.1F Secure B-5 connector with four S-2C caps. NOTE: Long hex bolt is secured in step 8.

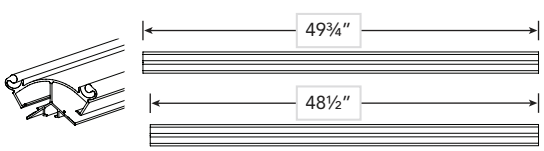


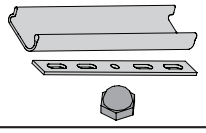
7.2A Repeat step 7.1 to install remaining three R-1E profiles next to R-1E profile. Repeat step 7.1 again to install the second R-1 profile on the other side.

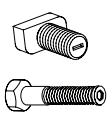


7.2B Slide one T-bolt into channel in each end of R-1 profiles. Hand tighten to hold in place.

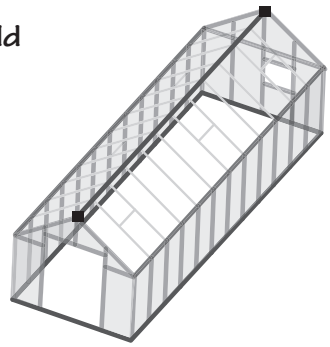


Profile		QTY
	R-1 R-1E	2 4

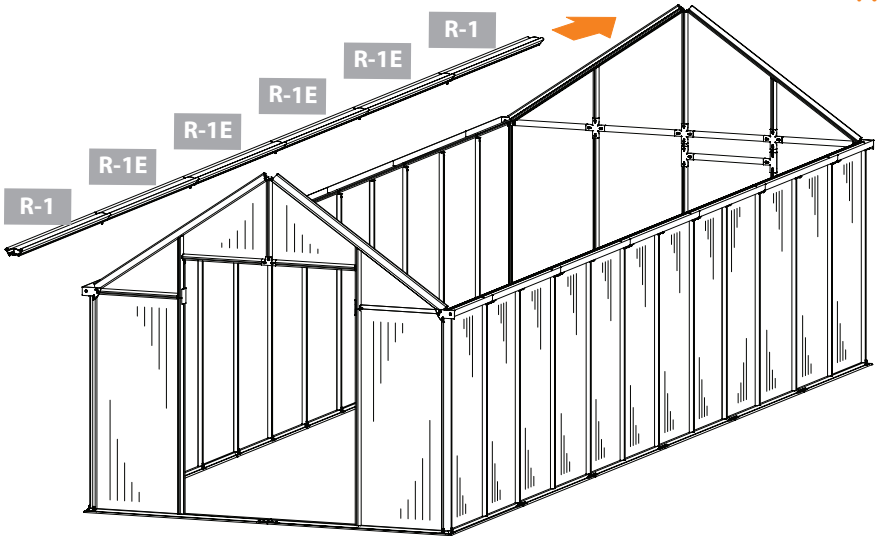
Connector		QTY
	B-10 B-5 S-2C	10 5 20

Connector		QTY
	S-7 S-5A	22 5

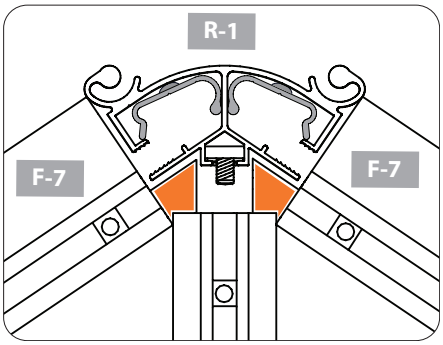
7.3A Use two people and a step ladder. Place step ladder inside greenhouse. Hold the roof ridge with the screws FACING UP until it is in position. Have one person inside greenhouse supporting ridge as you slide it into position. Avoid touching top of front and back of greenhouse until each end is flush with ends of front and back profiles. Turn the roof ridge over so bolts face down and rest on top of front and back walls.



WARNING: Use two people to install roof ridge. Place ladder in inside of greenhouse. One person will stand on the ladder holding the ridge with screws FACING UP until it is in the proper position. Turn over so bolts face down and secured in place.

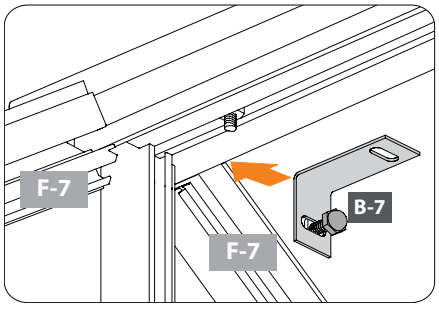


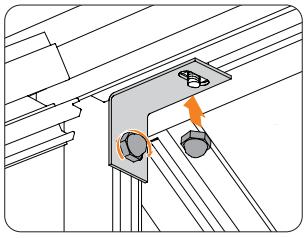
7.3B Make sure end of roof ridge is flush to profiles on front and back.



In some cases the corner points might need to be trimmed down if roof ridge is sitting on points. *See orange.*

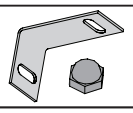
7.4A Working from inside, secure roof ridge to front end wall. Loosen T-bolts and adjust position to fit holes in B-7 connector. Secure with two bolts.



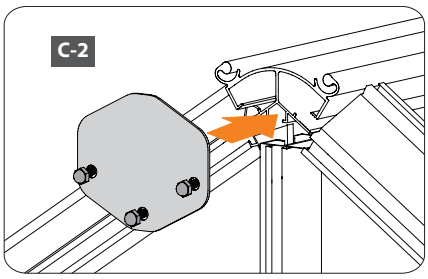


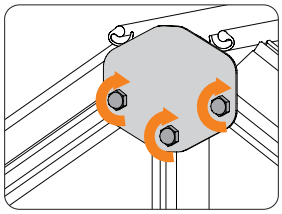
NOTE: VIEWS FROM INSIDE.

7.4B Repeat step 7.4A to secure back.

Connector		QTY
	B-7 S-2C	2 4

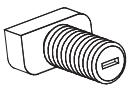
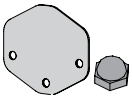
7.5A Working from outside, ensure all pieces are still flush and secure roof ridge to front. Loosen set screws and adjust position to fit holes in C-2 connector. Secure with three bolts.





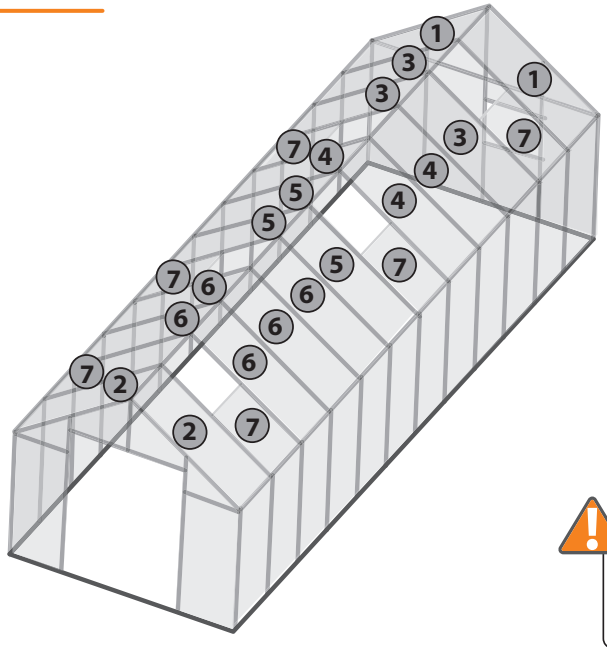
NOTE: VIEWS FROM OUTSIDE.

7.5B Repeat step 7.5A to secure back.

Connector		QTY
	S-7	6
	C-2 S-2C	2 6

Assemble Roof

Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.



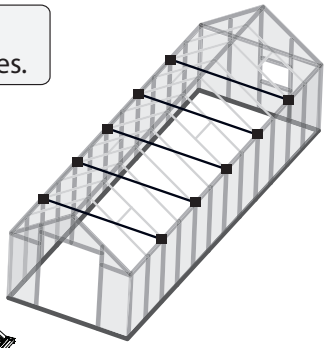
The roof panels are installed in the sections shown below. Use two people and a step ladder to assemble the roof. Place step ladder inside greenhouse. Have one person stand on ladder inside and guide panel into channels in roof ridge and corner profiles. The other person supports the end of the panel from the outside.

Section 1: Back two W-8 panels
Section 2: Front two W-8 panels
Section 3: Next three W-8 panels from back
Section 4: Next three W-8 panels
Section 5: Next three W-8 panels
Section 6: Next six W-8 panels
Section 7: Final W-8 panel and five W-10 panels

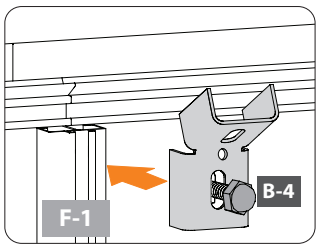
WARNING: Use two people to install roof. Allow enough time to complete this step and install and secure roof. Do not leave roof unattended until it is completely assembled.

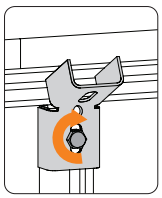
IMPORTANT: The panels expand and contract depending on the temperature. Under some conditions, the panels may require slight force to install. Do not use excessive force or you may move profiles out of position. When you are having difficulty sliding the panels, use dish soap with water on the edges as a lubricant.

NOTE: Use the included five foot bungee cords for added support. They will help hold the sides in position while assembling the roof. Remove as you install profiles.

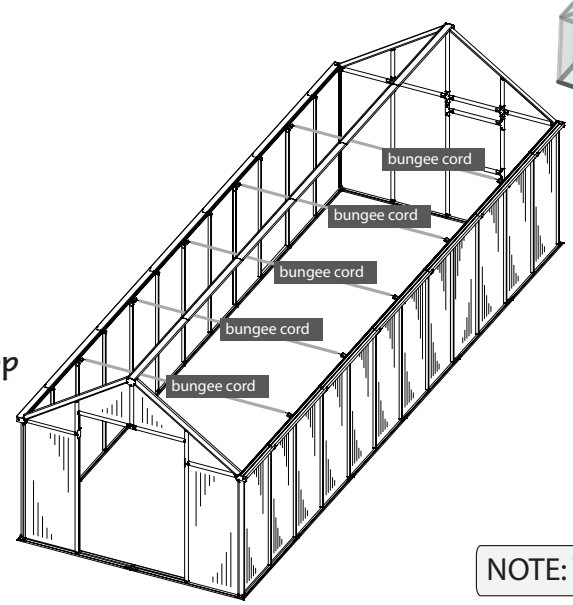


8.1A Working from the inside, Insert T-bolt assembly into B-4 connector and install on every other side profile on both sides of greenhouse. Secure as shown.

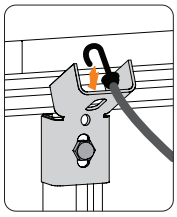


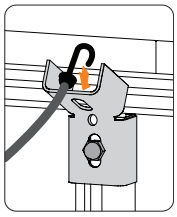


NOTE: VIEWS FROM INSIDE.



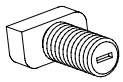
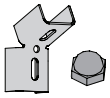
8.1B Hook one end of bungee cord into top hole in B-4 connector on each side.



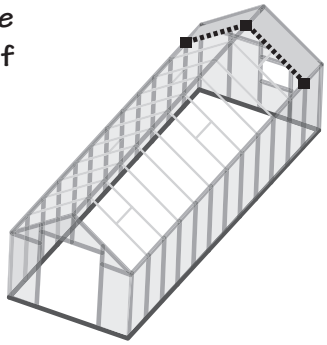


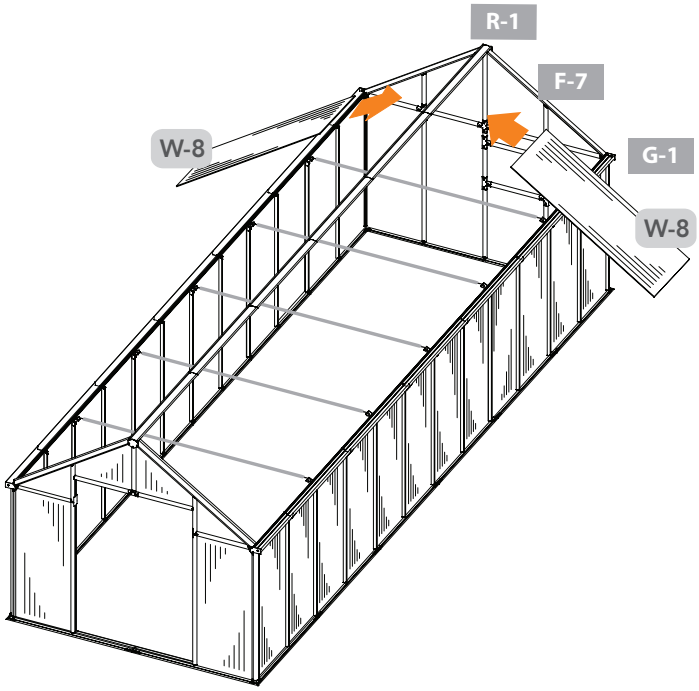
NOTE: VIEWS FROM INSIDE.

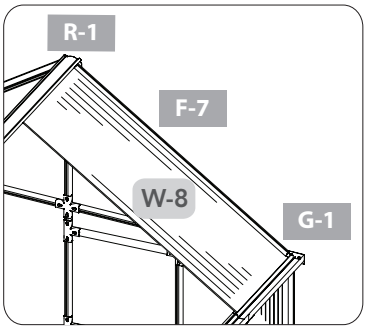
NOTE: VIEW FROM OUTSIDE.

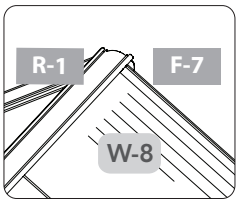
Connector		QTY		QTY	Connector		QTY
	S-7	10	5' Bungee Cord	5		B-4 S-2C	10 10

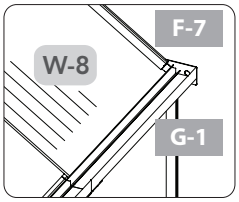
8.2A Working from back right corner, remove plastic film from both sides of one W-8 panel. With side marked " UV Resistant" facing outside, fit top end of panel into channel in R-1 roof ridge near corner. Push panel into roof ridge channel until the other end rests on gutter ledge and then slide towards F-7 corner profile. Repeat to install W-8 panel in back left corner.





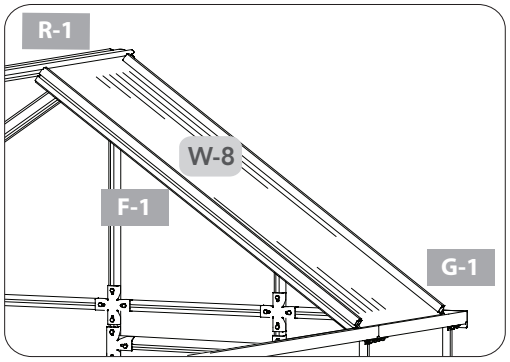


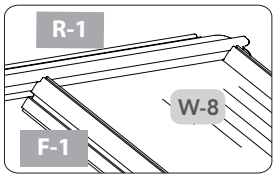


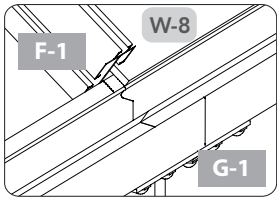


NOTE: VIEWS FROM OUTSIDE.

8.2B Fit one F-1 profile next to right panel. F-1 profile rests against widest part of roof ridge and lines up with top of gutter.

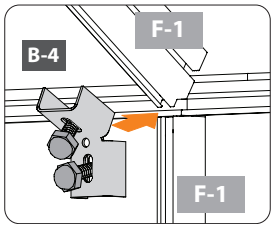


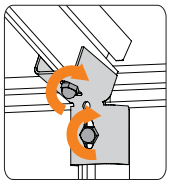




NOTE: VIEWS FROM OUTSIDE.

8.2C From inside, hold profile in place with one B-4 connector. Secure with two T-bolt assemblies as shown.

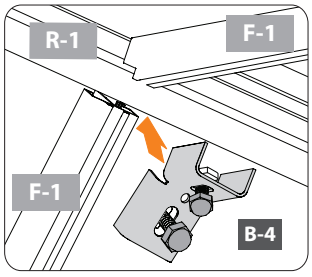


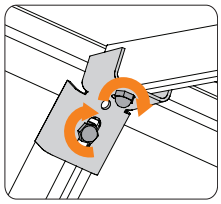


NOTE: VIEWS FROM INSIDE.

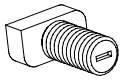
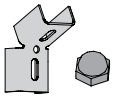
8.2D Repeat step 8.2B through 8.2C to secure install and secure F-1 profile on left side.

8.2E Hold two profiles together at ridge using one B-4 connector. Secure with two T-bolt assembies .

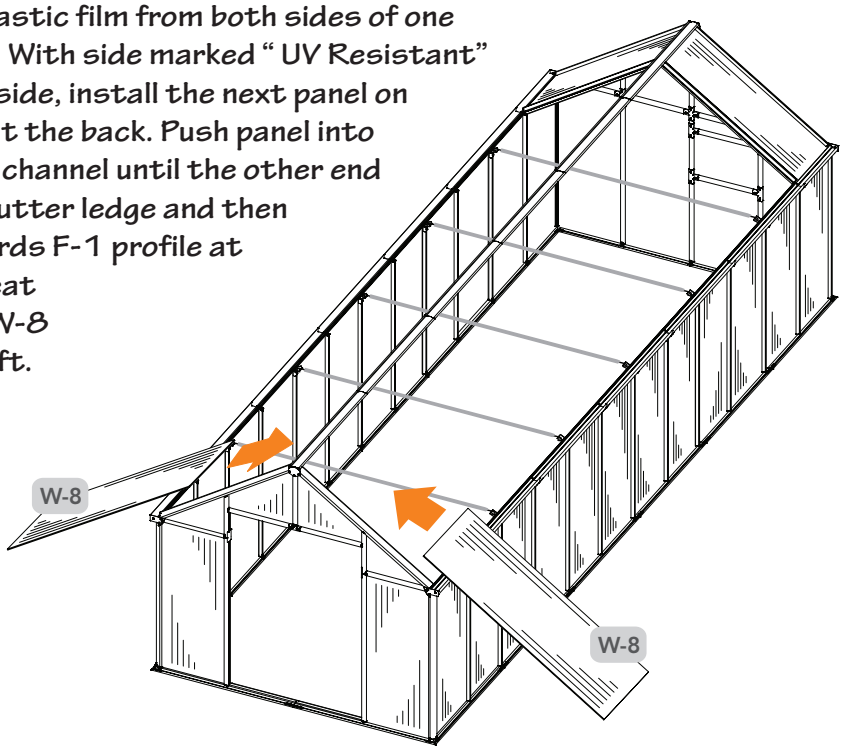




NOTE: VIEWS FROM INSIDE.

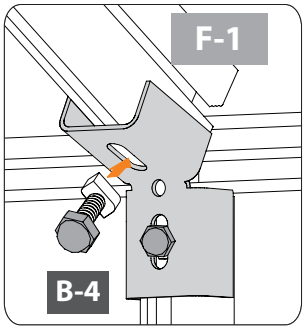
Connector		QTY	Panel		QTY	Connector		QTY
	S-7	6	24" x 57"	W-8	2		B-4 S-2C	3 6

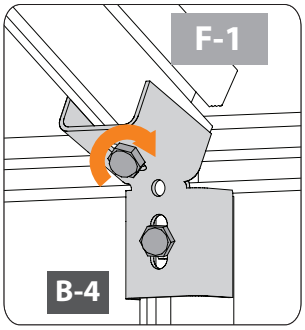
8.3A Remove plastic film from both sides of one W-8 panel. With side marked " UV Resistant" facing outside, install the next panel on the right at the back. Push panel into roof ridge channel until the other end rests on gutter ledge and then slide towards F-1 profile at back. Repeat to install W-8 panel on left.



NOTE: VIEWS FROM OUTSIDE.

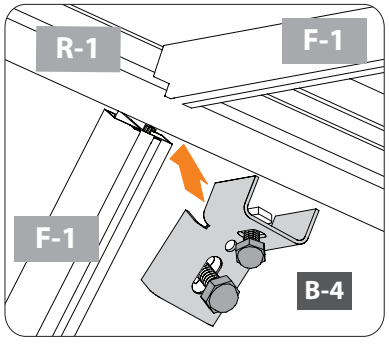
8.3B Fit one F-1 profile next to panel. Fit lower end into B-4 connector and secure with one T-bolt assembly as shown. Repeat to install F-1 profile on opposite side.

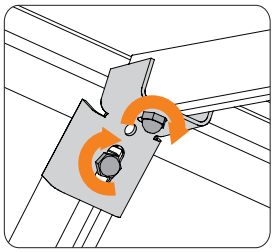




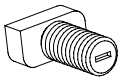
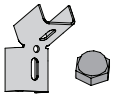
NOTE: VIEWS FROM INSIDE.

8.3C Hold two profiles together at ridge using one B-4 connector. Secure with two T-bolt assembies .

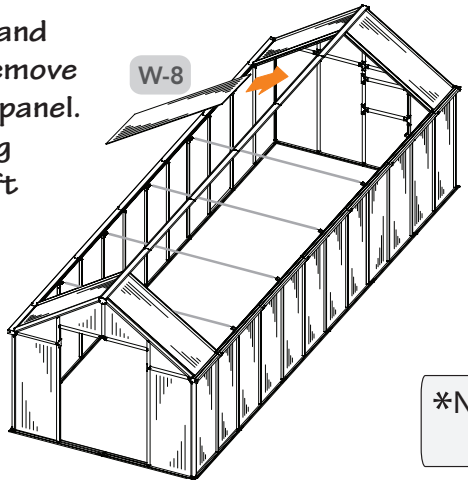




NOTE: VIEWS FROM INSIDE.

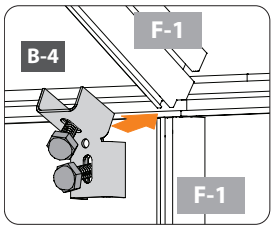
Connector		QTY	Panel		QTY	Connector		QTY
	S-7	6	24" x 57"	W-8	2		B-4 S-2C	3 6

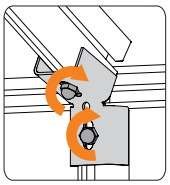
8.4A Return to back to install section three and remove bungee cord nearest to back. Remove plastic film from both sides of one W-8 panel. With side marked " UV Resistant" facing outside, install the next panel on the left at the back. Push panel into roof ridge channel until the other end rests on gutter ledge and then slide towards F-1 profile at back.



*NOTE: W-10 panels are installed in step 8.8

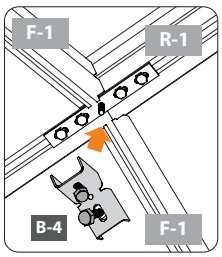
8.4B From inside, hold profile in place with one B-4 connector. Secure with two T-bolt assemblies as shown.

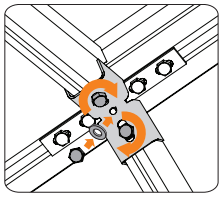




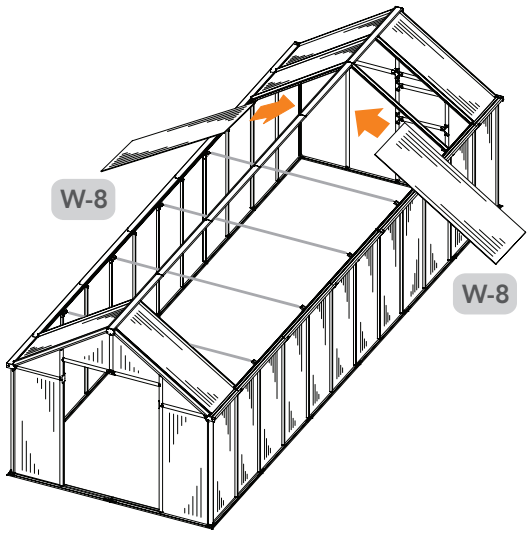
8.4C Hold two profiles together in place at ridge using one B-4 connector. Insert two T-bolt assemblies, line up center hole with long hex bolt in roof ridge. Secure T-bolt assemblies as shown.Place washer on long bolt and secure with S-2C cap.

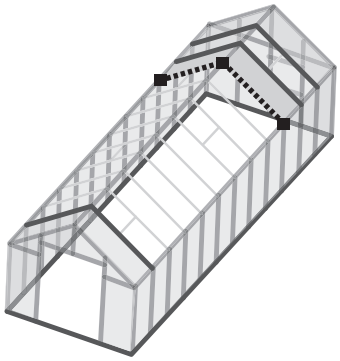
NOTE: VIEWS FROM INSIDE.



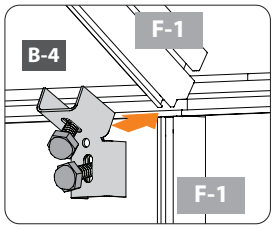


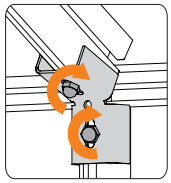
8.4D Continue working from back to finish section three. Remove plastic film from both sides of one W-8 panel. With side marked " UV Resistant" facing outside, install the next panel on the right at the back. Push panel into roof ridge channel until the other end rests on gutter ledge and then slide towards F-1 profile at back. Repeat to install W-8 panel on left.





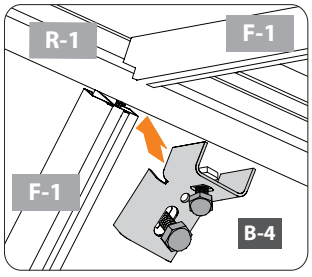
8.4E From inside, hold profile in place with one B-4 connector. Secure with two T-bolt assemblies as shown.

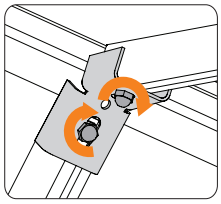


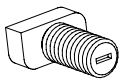
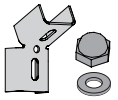


NOTE: VIEWS FROM INSIDE.

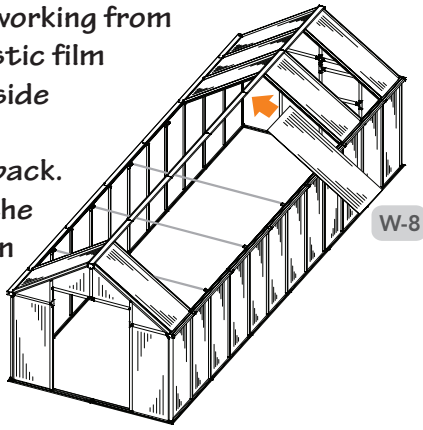
8.4F Hold two profiles together at ridge using one B-4 connector. Secure with two T-bolt assembies.

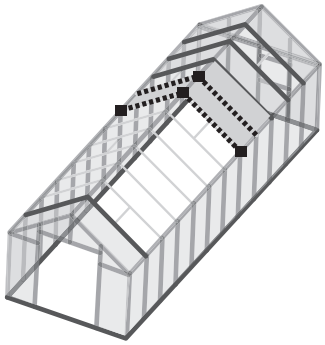




Connector		QTY	Panel		QTY	Connector		QTY
	S-7	8	24" x 57"	W-8	3		B-4 S-2C S-5B	4 9 1

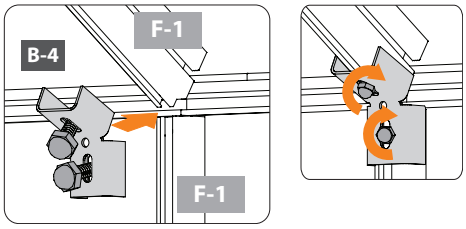
8.5A Remove next bungee cord and continue working from back to install section four. Remove plastic film from both sides of one W-8 panel. With side marked " UV Resistant" facing outside, install the next panel on the left at the back. Push panel into roof ridge channel until the other end rests on gutter ledge and then slide towards F-1 profile at back.





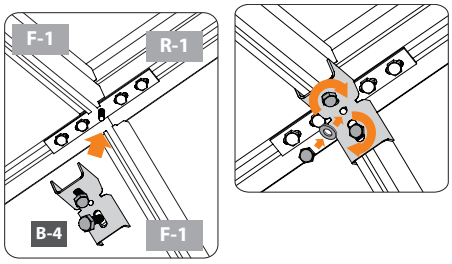
NOTE: VIEW FROM OUTSIDE.

8.5B From inside, hold profile in place with one B-4 connector. Secure with two T-bolt assemblies as shown.

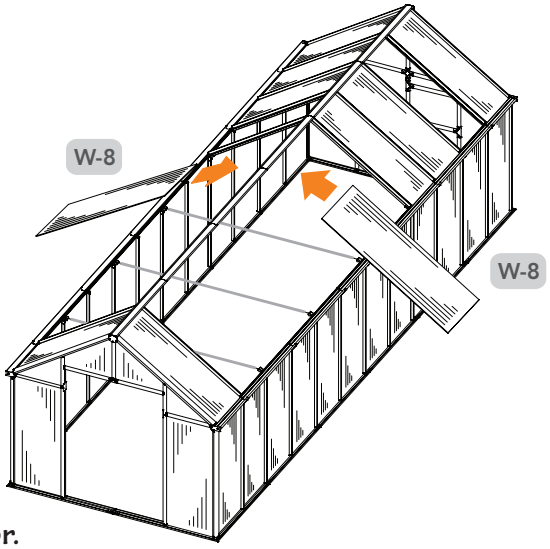


NOTE: VIEWS FROM INSIDE.

8.5C Hold two profiles together in place at ridge using one B-4 connector. Insert two T-bolt assemblies, line up center hole with long hex bolt in roof ridge. Secure T-bolt assemblies as shown.Place washer on long bolt and secure with S-2C cap.

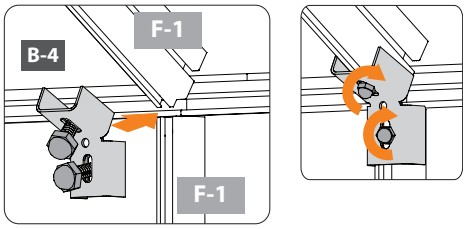


8.5D Remove plastic film from both sides of one W-8 panel.With side marked " UV Resistant" facing outside, install the next panel on the right at the back. Push panel into roof ridge channel until the other end rests on gutter ledge and then slide towards F-1 profile at back. Repeat to install W-8 panel on left.



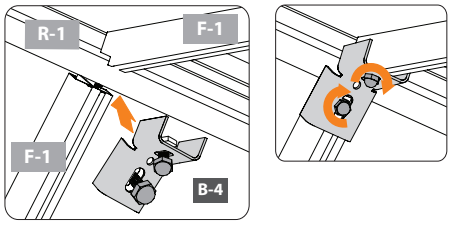
NOTE: VIEW FROM OUTSIDE.

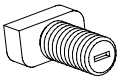
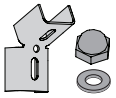
8.5E From inside, hold profile in place with one B-4 connector. Secure with two T-bolt assemblies as shown.



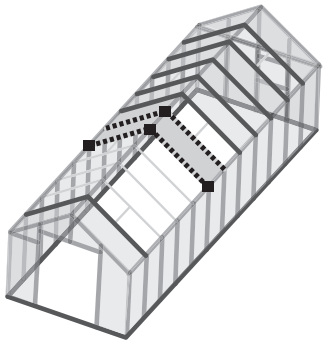
NOTE: VIEWS FROM INSIDE.

8.5 F Hold two profiles together at ridge using one B-4 connector. Secure with two T-bolt assembies.

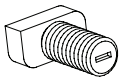
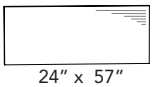
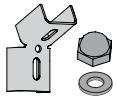


Connector		QTY	Panel		QTY	Connector		QTY
	S-7	10	24" x 57"	W-1	3		B-4 S-2C S-5B	4 11 1

8.6



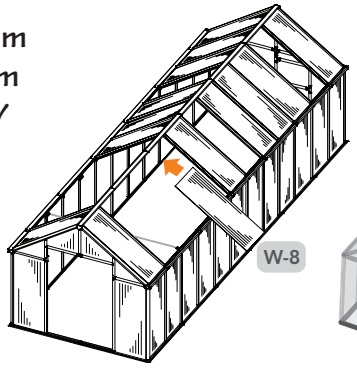
Continue working from back. Remove next bungee cord and repeat steps 8.4A through 8.4F to install section five.

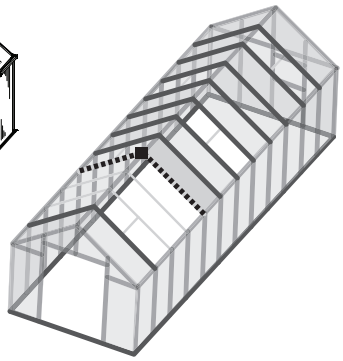
Connector		QTY	Panel		QTY	Connector		QTY
	S-7	10	 24" x 57"	W-8	3		B-4 S-2C S-5B	4 9 1

8.7A

Remove next bungee cord and continue working from back to install section six. Remove plastic film from both sides of one W-8 panel. With side marked " UV Resistant" facing outside, install the next panel on the right at the back. Push panel into roof ridge channel until the other end rests on gutter ledge and then slide towards F-1 profile at back.

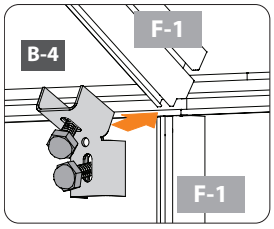
NOTE: VIEW FROM OUTSIDE.

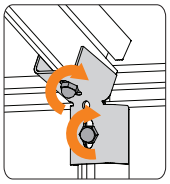




8.7B

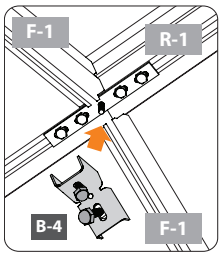
From inside, hold profile in place with one B-4 connector. Secure with two T-bolt assemblies as shown.

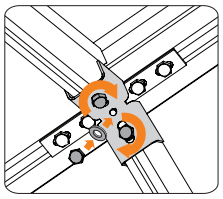




8.7C

Hold two profiles together in place at ridge using one B-4 connector. Insert two T-bolt assemblies, line up center hole with long hex bolt in roof ridge. Secure T-bolt assemblies as shown.Place washer on long bolt and secure with S-2C cap.

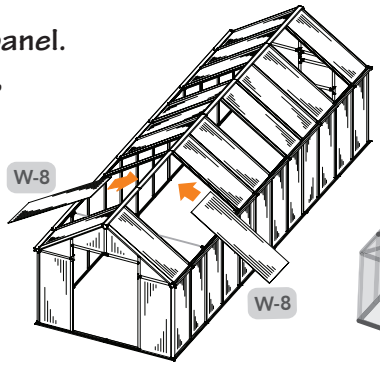


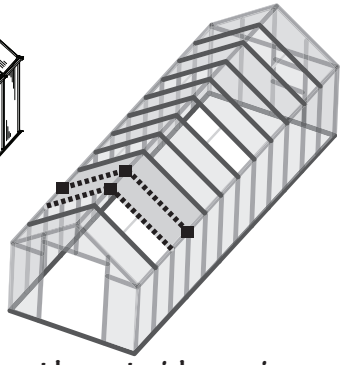


NOTE: VIEWS FROM INSIDE.

8.7D

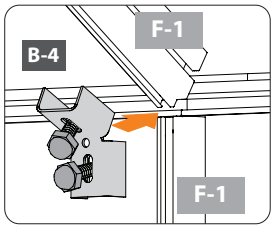
Remove plastic film from both sides of one W-8 panel. With side marked " UV Resistant" facing outside, install the next panel on the right at the back. Push panel into roof ridge channel until the other end rests on gutter ledge and then slide towards F-1 profile at back. Repeat to install W-8 panel on left.

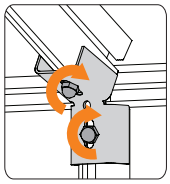




8.7E

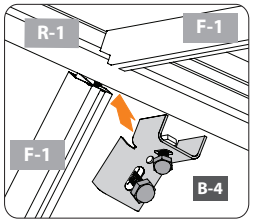
From inside, hold profile in place with one B-4 connector. Secure with two T-bolt assemblies as shown.

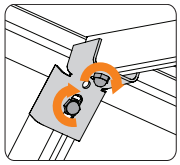




8.7F

Hold two profiles together at ridge using one B-4 connector. Secure with two T-bolt assembies.

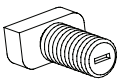
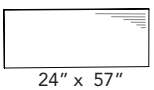
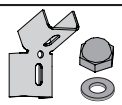




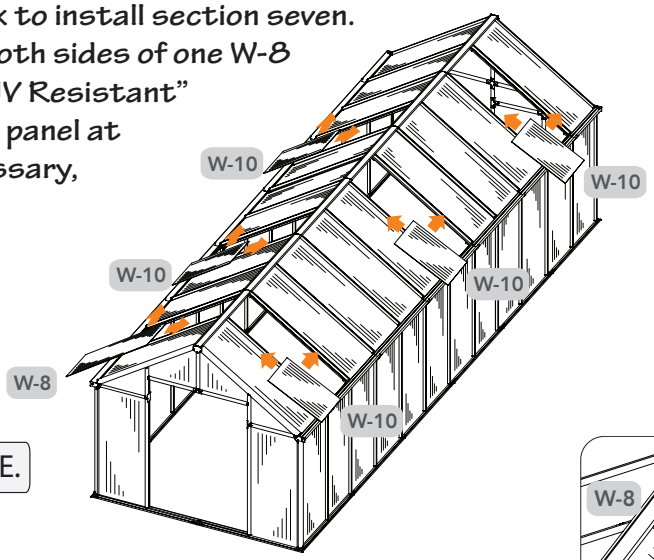
NOTE: VIEWS FROM INSIDE.

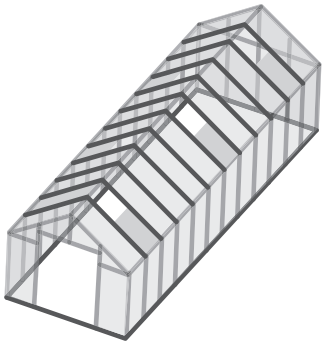
8.7G

Remove final bungee cord and repeat steps 8.7D through 8.7F to install next two W-8 panels and F-1 profiles.

Connector		QTY	Panel		QTY	Connector		QTY
	S-7	10	 24" x 57"	W-8	5		B-4 S-2C S-5B	5 12 2

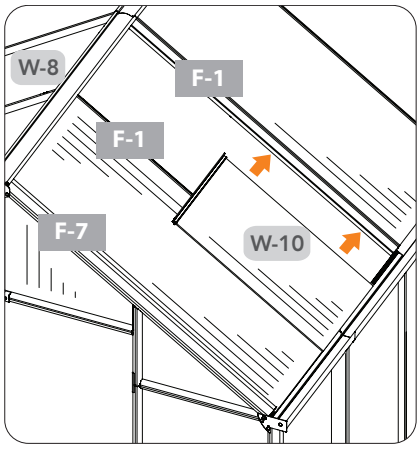
8.8A Continue working from back to install section seven. Remove plastic film from both sides of one W-8 panel. With side marked " UV Resistant" facing outside, install next panel at slight angle on left. If necessary, loosen the previous B-4 connector and profile and move them towards the back of the greenhouse to make more room to fit panel in place.





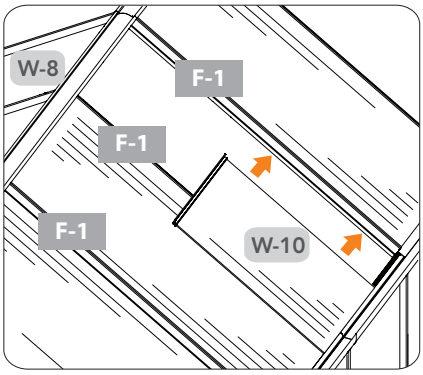
NOTE: VIEWS FROM OUTSIDE.

8.8B Remove plastic film from both sides of one W-10 panel. It will be installed opposite the W-8 panel installed in 8.8A. From outside position panel with extended ledge profile at outside top. Install panel at slight angle sliding all the way into profile. Fit other end into opposite profile. If necessary apply slight pressure to bend panel and snap into place.



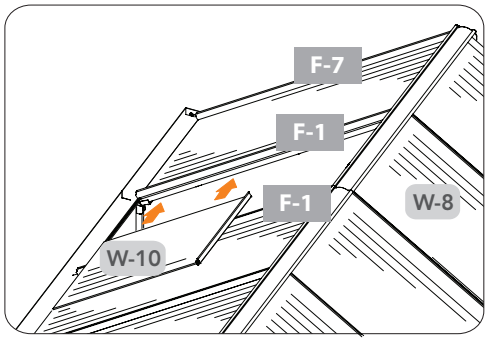
NOTE: VIEWS FROM OUTSIDE.

8.8C Remove plastic film from both sides of second W-10 panel and repeat step 8.9B to install in second section from back right.



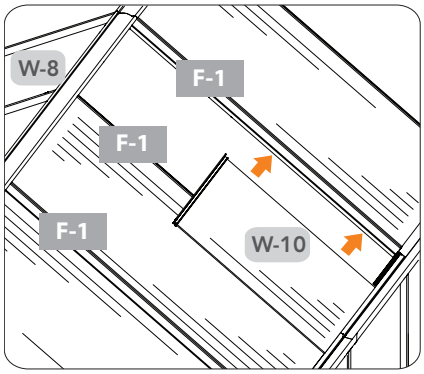
8.8D Remove plastic film from both sides of second W-10 panel and repeat step 8.8B to install in fouth section from back left.

NOTE: VIEWS FROM OUTSIDE.



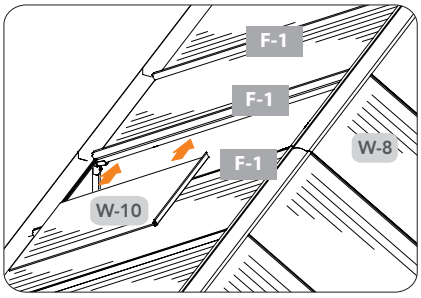
NOTE: VIEWS FROM OUTSIDE.

8.8E Remove plastic film from both sides of second W-10 panel and repeat step 8.9B to install in sixth section from back right.

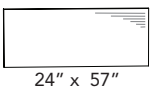
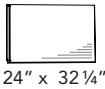


NOTE: VIEWS FROM OUTSIDE.

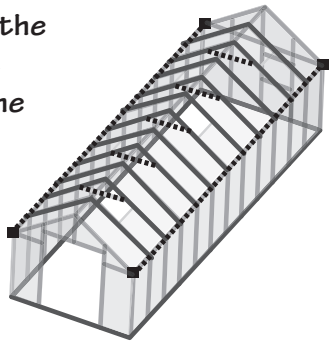
8.8F Remove plastic film from both sides of second W-10 panel and repeat step 8.8B to install in fifth section from front left.

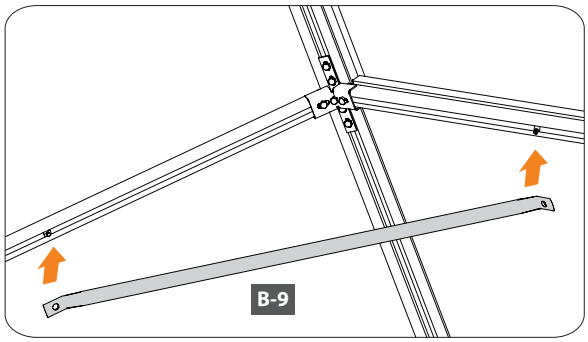


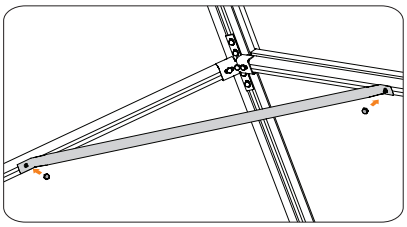
NOTE: VIEWS FROM OUTSIDE.

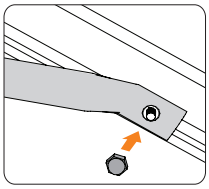
Panel		QTY	Panel		QTY
 24" x 57"	W-8	1	 24" x 32¼"	W-10	5

8.9 Have one person stand outside the greenhouse to observe the position of the roof ridge while the other person installs the five B-9 braces. Insert T-bolt in the correct position, but if the roof is not completely straight, adjust the brace to raise or lower the roof line.
Secure each with two S-2C caps.





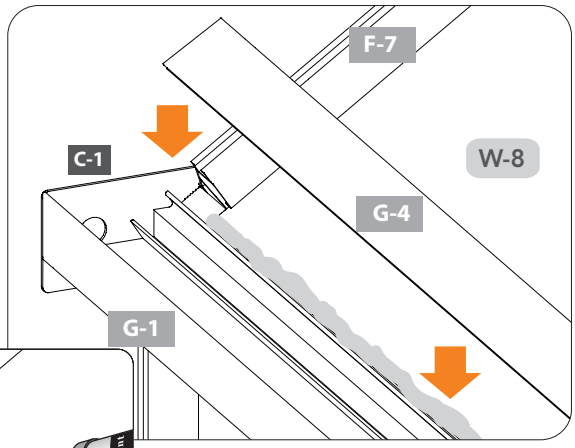


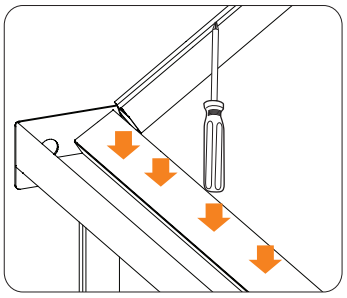


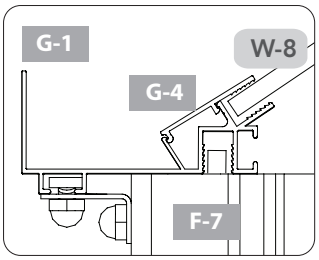
NOTE: VIEWS FROM INSIDE.

Brace	QTY
B-9	5
S-2C	10

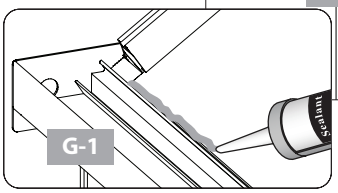
8.10 The G-4 and G-4E trim plates snap into G-1 and G-2 gutter profiles to hold roof panels in place. Working from outside, begin at front corner. Run a bead of silicone sealant along ledge of G-1 and G-2 profiles. Use two G-4 and four G-4E trim plates on each side. Position G-4 trim plate over gutter and use handle of screw driver to tap into place. Make sure the seams of the trim plates are flush with each other and to the C-1 connectors at the front. Add a bead of silicone where trim plates meet.



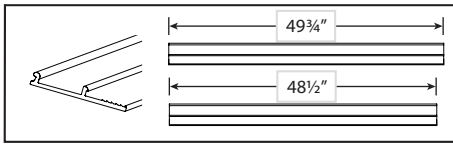




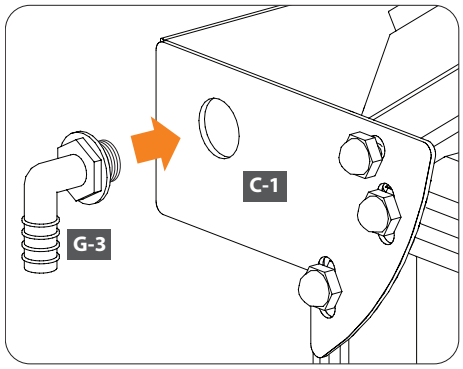
NOTE: View for alignment of G-4 and G-1 only.

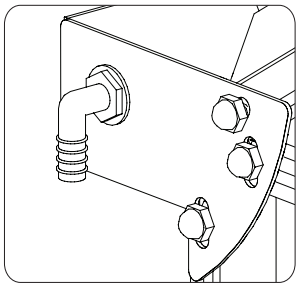


NOTE: VIEWS FROM OUTSIDE.

Trim Plate		QTY
	G-4	4
	G-4E	8

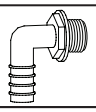
8.11 Screw G-3 gutter drain into holes in C-1 connectors. Make sure they point down.





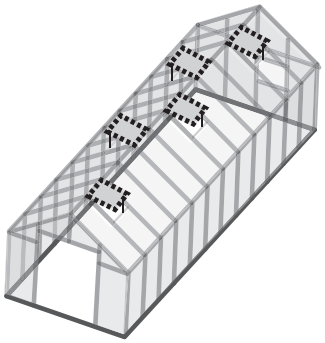
NOTE: VIEWS FROM OUTSIDE.

NOTE: To aid in rain collection and prevent water leakage we recommend sealing the inside of the gutter profiles at each joint using silicone caulking.

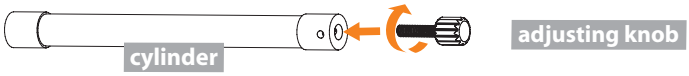
Gutter Drain		QTY
	G-3	4

Install Roof Vents

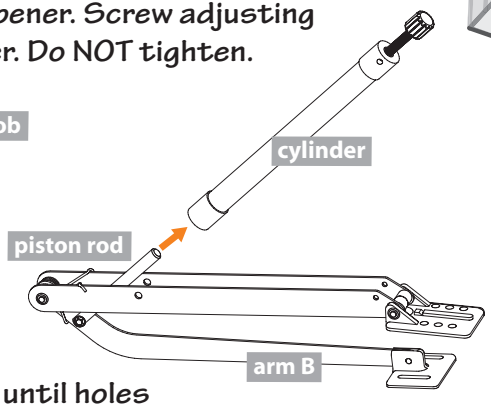
Make certain the pieces are in the correct positions before securing. Carefully follow the order of assembly to ensure an easy installation. Wear proper safety gear including work shoes, gloves and goggles.



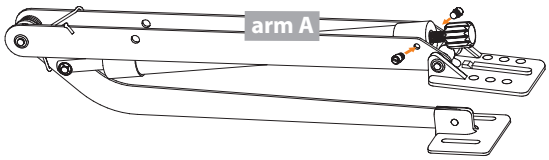
9.1A Unpack contents of Automatic Window Opener. Screw adjusting knob partially into threaded end of cylinder. Do NOT tighten.

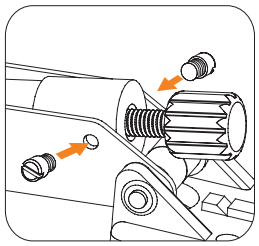


9.1B Fit piston rod connected to arm B into end of cylinder. Turn cylinder so holes next to adjusting knob are visible.

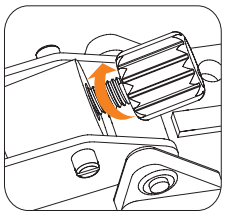


9.1C Continue pushing cylinder onto piston rod until holes in end of cylinder line up with holes in arm A. Push arms apart if necessary. Secure with a threaded stud on each side.





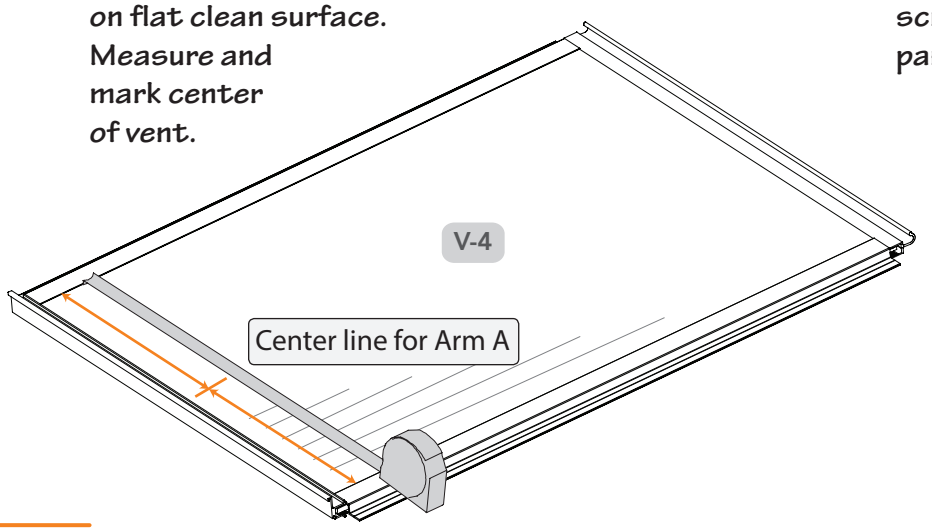
9.1D Turn adjusting screw clockwise until arms are approximately 6" apart.



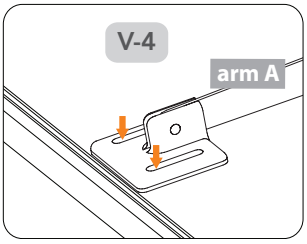
9.1E Repeat steps 9.1A through 9.1D to prepare the four more Automatic Window Openers.

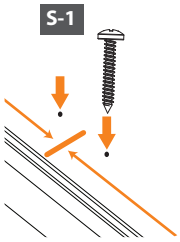
Handle	QTY	Cylinder	QTY	Adjusting Knob	QTY	Threaded Stud	QTY
	5		5		5		10

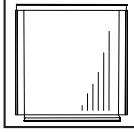
9.2A Remove plastic film from both sides of V-4 factory assembled vents. With side labeled " Face inside" facing up, lay panel on flat clean surface. Measure and mark center of vent.



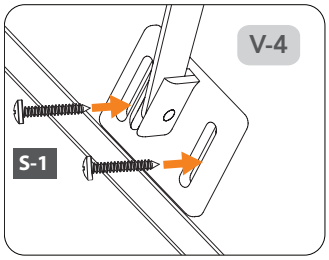
9.2B Place opener with arm A on bottom inside vent, align with center mark. Mark screw placement. Using S-1 screw, apply pressure to puncture the panel and predrill holes for next step.



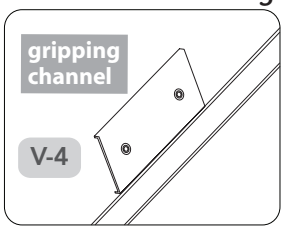


Factory Assembled Vent		QTY
 24" x 24 ¾"	V-4	5

9.2C Screw two S-1 screws through V-4 panel. Line up gripping channel on other side. Continue to screw until secure. Do not over tighten as it may damage the vent.



NOTE: VIEWS FROM INSIDE.

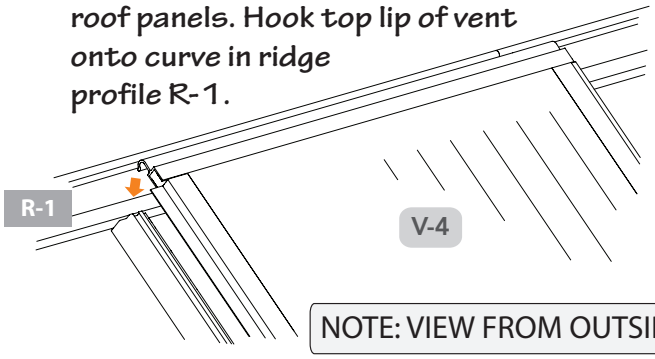


NOTE: VIEW FROM OUTSIDE.

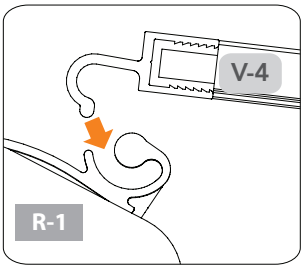
9.2D Repeat steps 9.2A through 9.2C to prepare four more vents.

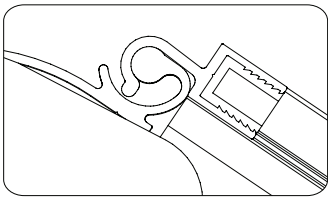
Connector		QTY	Gripping Channel	QTY
	S-1	8		4

9.3A From inside, hold Window Opener closed against vent. Slide vent at an angle through opening in roof panels. Hook top lip of vent onto curve in ridge profile R-1.



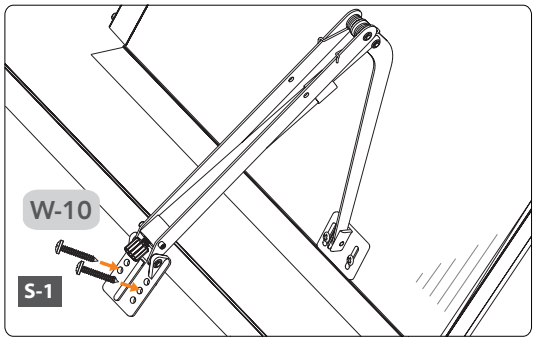
NOTE: VIEW FROM OUTSIDE.

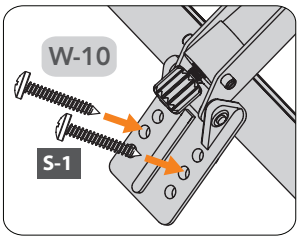


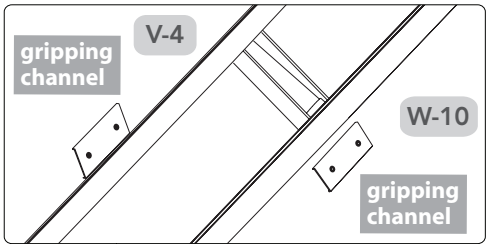


NOTE: VIEWS FROM FRONT

9.3B Outside of vent rests on top of ledge on W-10 profile. Open vent to attach the other arm of opener to top of inside W-10 profile. Position with arm overlapping trim so adjusting screw can move freely. Screw two S-1 screws through panel and into gripping channel on other side to secure. Do not over tighten as it may damage the vent.







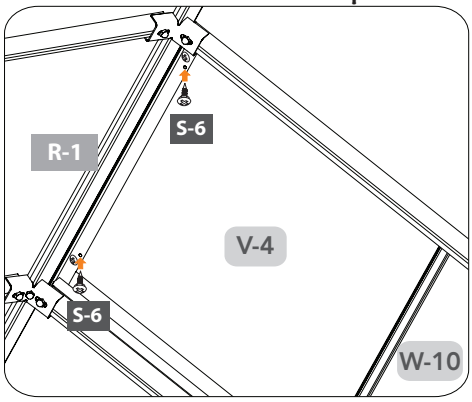
NOTE: Make sure arm A overlaps aluminum trim on W-10

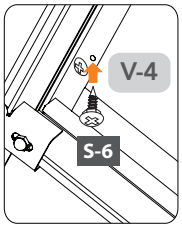
NOTE: VIEWS FROM INSIDE.

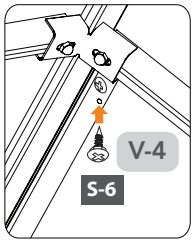
9.3C Repeat steps 9.3A through 9.3B to install four more vents.

Connector		QTY	Gripping Channel	QTY
	S-1	8		4

9.4A From inside screw S-6 screw and spacer into the holes on each end of the top of the vent. This will secure the vent to the greenhouse in windy conditions.





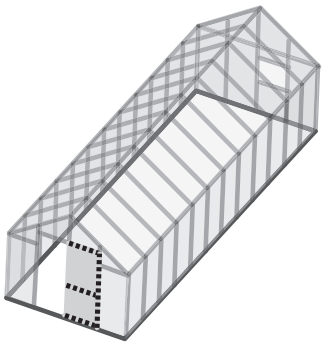


9.4B Repeat steps 9.4A to secure four more vents.

NOTE: VIEWS FROM INSIDE.

Connector		QTY
	S-6	8

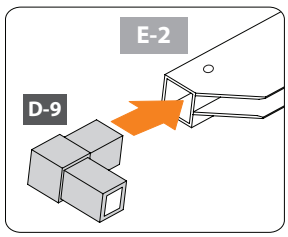
Assemble and Install Doors

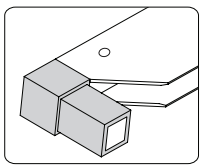


Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.

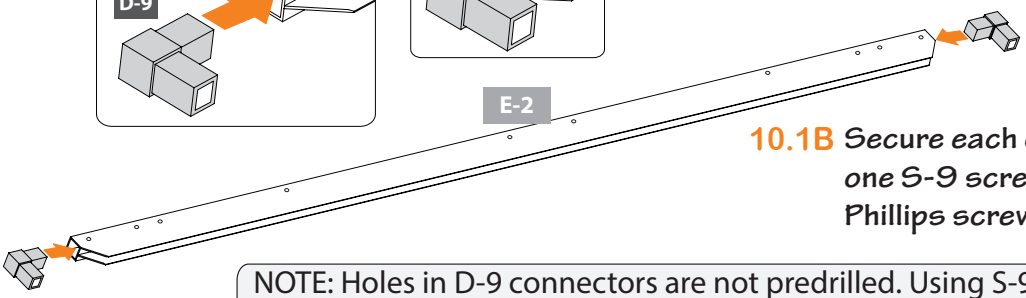
IMPORTANT: You are assembling a right and left door. Facing the front of the greenhouse from the outside with the doors closed, the left door is on the left side of the greenhouse and the right is on the right side. The left door closes over the right and locks at the top.

10.1A Begin right door assembly. Prepare one E-2 door profile. Position with holes facing up. Slide one D-9 corner connector into each end.

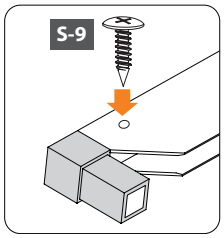




NOTE: D-9 corner connectors are hollow on one end. Install with hollow end in either direction.

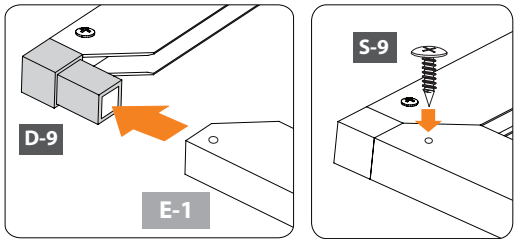


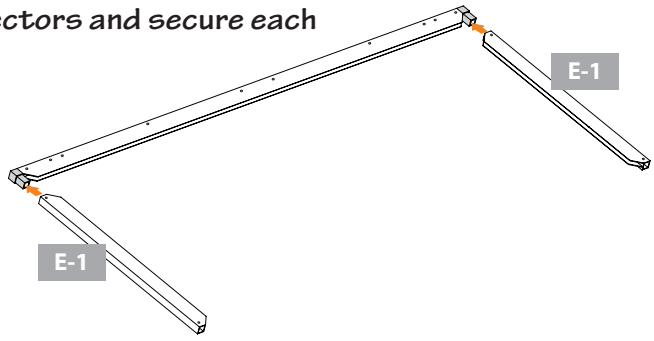
10.1B Secure each corner with one S-9 screw using a Phillips screwdriver.



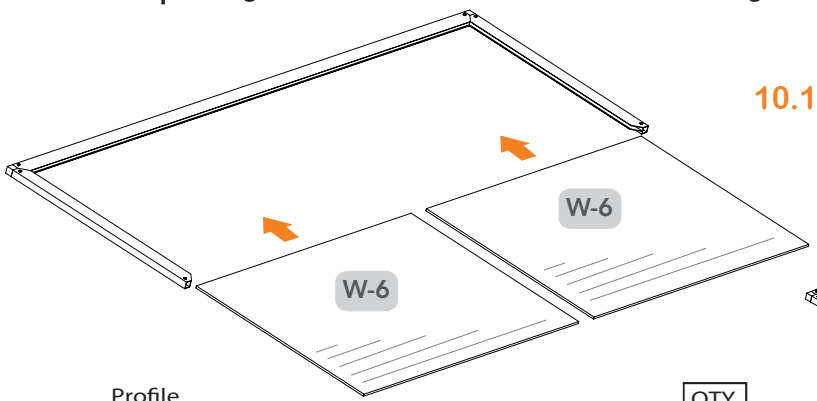
NOTE: Holes in D-9 connectors are not predrilled. Using S-9 screw, apply pressure to puncture. Hand tighten using supplied screwdriver. Do not over tighten.

10.1C Slide E-1 door profiles into D-9 corner connectors and secure each with one S-9 screw.

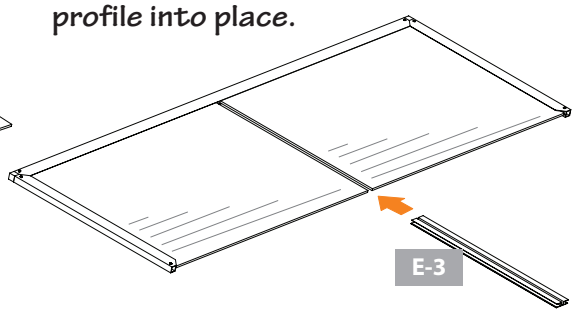


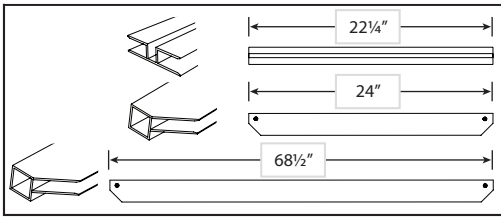


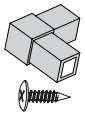
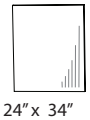
10.1D Remove plastic film from both sides of two W-6 panels. Fit panels into channels in door profiles as shown, placing side marked " UV Resistant" facing down.



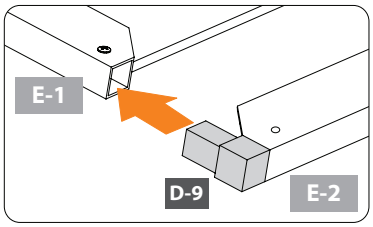
10.1E With slotted side facing up, slide E-3 profile into place.

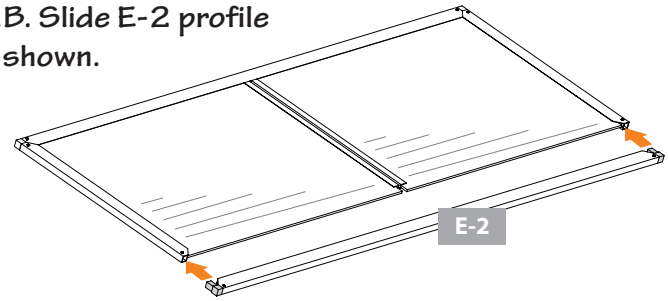


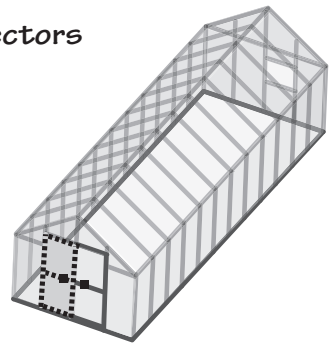
Profile		QTY
	E-3	1
	E-1	2
	E-2	1

Connector		QTY	Panel		QTY
	D-9	2		W-6	2
	S-9	4			

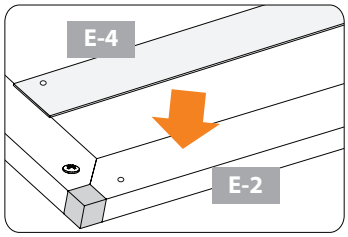
10.2A Repeat step 10.1A to prepare another E-2 door profile. D-9 corner connectors are secured in step 10.2B. Slide E-2 profile into E-1 door profiles as shown.

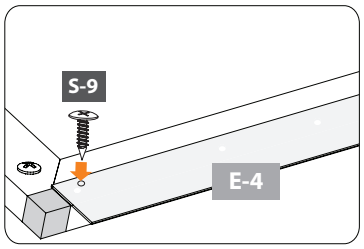


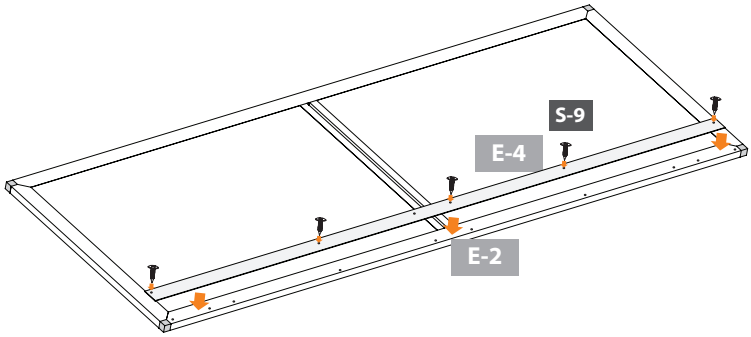




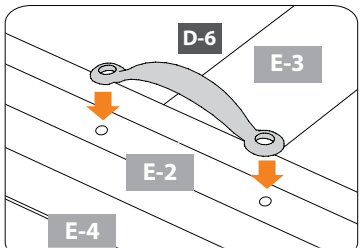
10.2B Position E-4 on top of E-2 profile. Line up holes in E-4 profile with E-2 profile. Secure with five S-9 screws. The final S-9 screw, right below the E-3 profile, is installed in step 10.6B.

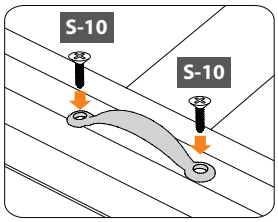


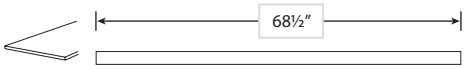
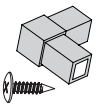
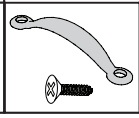




10.2C Turn door over and install handle on E-2 profile just secured. Match two holes in E-2 with holes in D-6 handle. Secure with two S-10 screws.

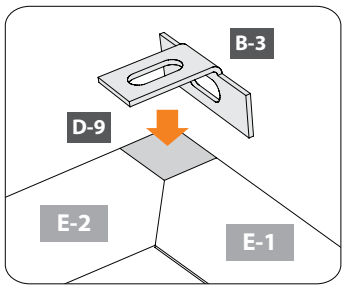


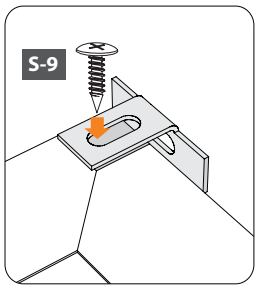


Profile		QTY	Connector		QTY	Connector		QTY
	E-4	1		D-9 S-9	2 12		D-6 S-10	1 2

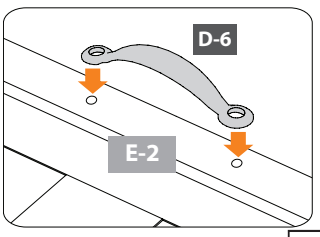
10.3A Repeat step 10.1 through 10.2A to assemble left door. Secure D-9 corner connectors with two S-9 screws.

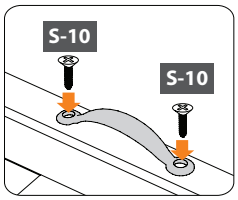
10.3B Using S-9 screw, attach B-3 connector to top left D-9 corner connector as shown. Apply pressure to puncture.

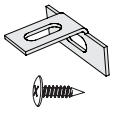
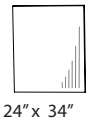
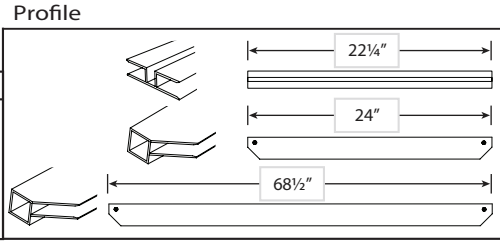
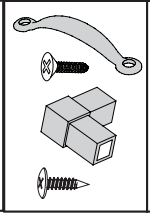




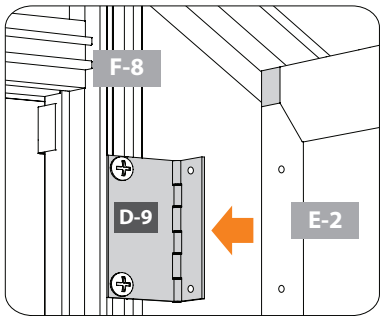
10.3C Turn door over and install handle on E-2 profile. Match two holes in E-2 with holes in D-6 handle. Secure with two S-10 screws.

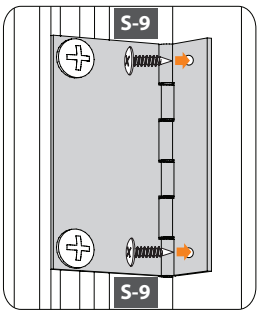


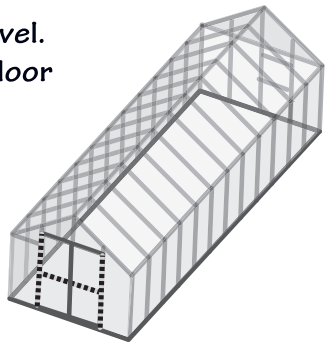


Connector		QTY	Panel		QTY	Profile		QTY	Connector		QTY
	B-3 S-9	1 1		W-6	2		E-3 E-1 E-2	1 2 2		D-6 S-10 D-9 S-9	1 2 4 8

10.4A Use two people to install the doors to ensure they are hung properly and level. Begin with right door assembled in step 10.2. Working from outside with door at a ninety degree angle to the door frame. Line up holes in D-8 hinges with holes in E-2 door profile. Secure each hinge with two S-9 screws.



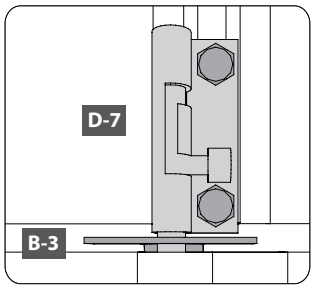




NOTE: VIEWS FROM OUTSIDE.

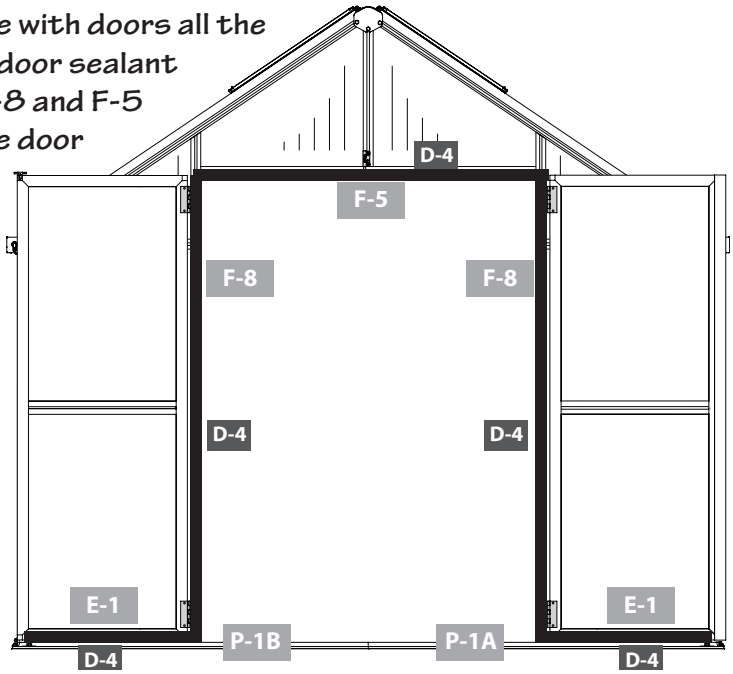
IMPORTANT: Make sure door is level. When necessary loosen screws holding D-8 hinge to F-8 profile and repostion until it is level.

10.4B Install left door assembled in step 10.3. Line up holes in D-8 hinges with holes in E-2 door profile. Secure each hinge with two S-9 screws and make sure door is level. Make sure D-7 latch fits into B-3 connector to lock doors.

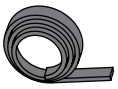


Connector		QTY
	S-9	8

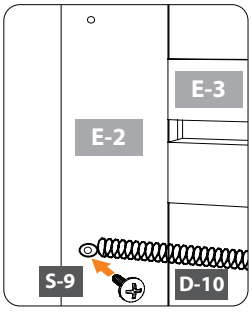
10.5 Working from the outside with doors all the way open, apply the D-4 door sealant tape to the outside of F-8 and F-5 profiles that make up the door frame and to inside E-1 bottom door profiles. This tape acts as insulation. Make sure it is smooth and even.

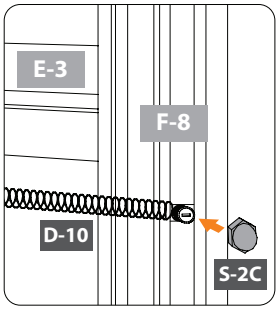


NOTE: VIEW FROM OUTSIDE.

Door Sealant Tape		QTY
	D-4	20'

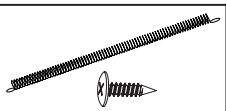
10.6A Working from inside, with left door open and right door closed. Attach D-10 spring to hole in E-1 door profile using one S-9 screw. Strech spring and attach other side to T-bolt on F-8 profile. Secure with S-2C cap.





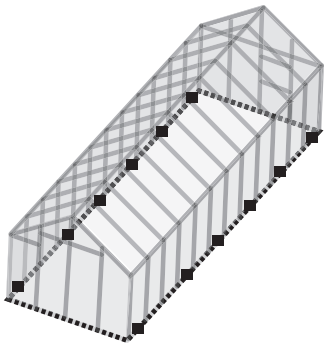
NOTE: VIEWS FROM INSIDE.

10.6B Close left door and repeat step 10.6 A to install spring on other door. The springs will pull the doors closed.

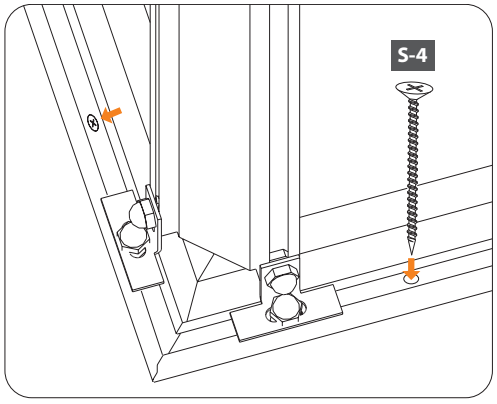
Connector		QTY	Connector		QTY
	S-2C	2		D-10 S-9	2 2

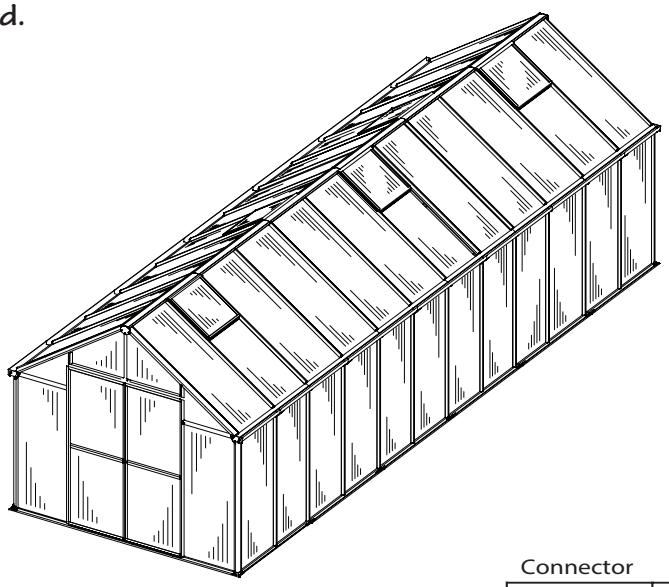
Secure to Platform

Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.



11.1 The base has predrilled holes in the inside and outside bolt channels making it easy to secure your greenhouse to a wood platform. Use one S-4 wood screw in each hole in the base. Screw through the wood platform until each screw is flush with base profile. Continue process around outside and inside until greenhouse is evenly secured.





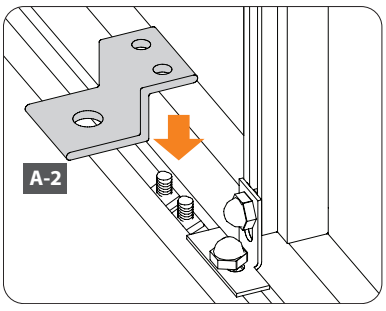
Connector		QTY
	S-4	104

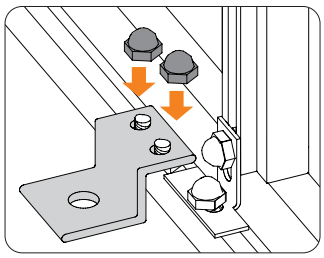
NOTE: The S-4 screw is designed to be used with wood. When securing base to foundations made of materials other than wood, use an appropriate fastener.

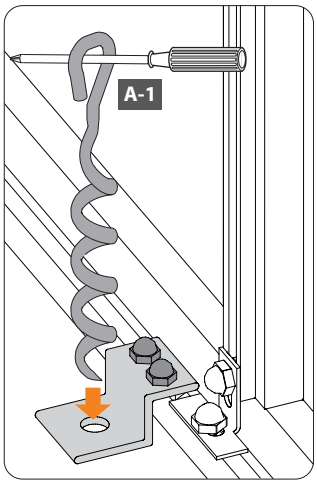
Use twelve A-1 ground anchors with twelve A-2 anchor brackets on the inside of the greenhouse to secure it to the ground. Place one on each side at the front, center and back.

11.2A Attach anchor bracket with two T-bolts in the inside bolt channels in base profile. Secure with two S-2C caps. Repeat to install eleven remaining brackets.

11.2B Insert A-1 ground anchor through hole in center of A-2 bracket. Place a screw driver through the top of A-1 anchor to screw completely into soil. Repeat to install eleven remaining ground anchors. Make certain all are properly secured in ground.



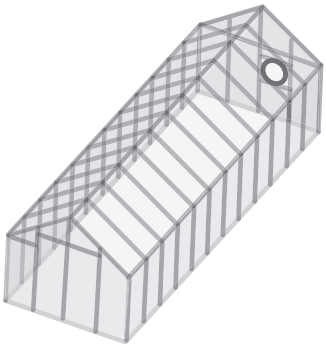




Ground Anchor		QTY	Bracket		QTY
	A-1	12		A-2 S-2C	12 24

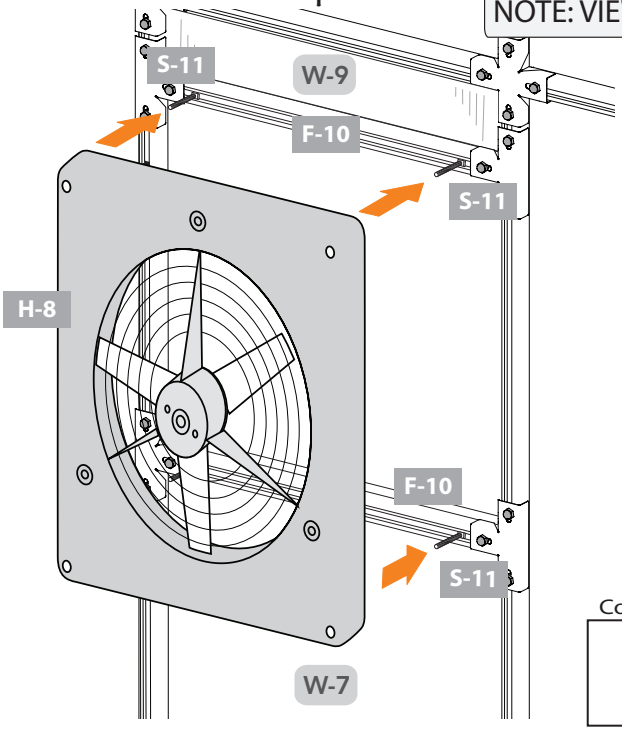
Install Fan and Solar Panel

Make certain the pieces are in the correct positions before securing.
Carefully follow the order of assembly to ensure an easy installation.
Wear proper safety gear including work shoes, gloves and goggles.

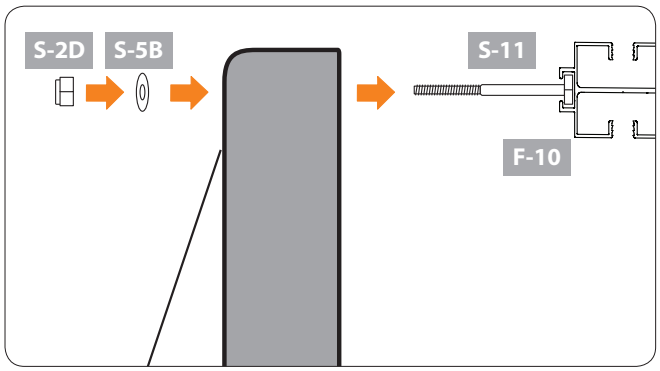


12.1A Working from inside, fit H-8 fan over S-11 bolts in F-10 profiles.

NOTE: VIEW FROM INSIDE.



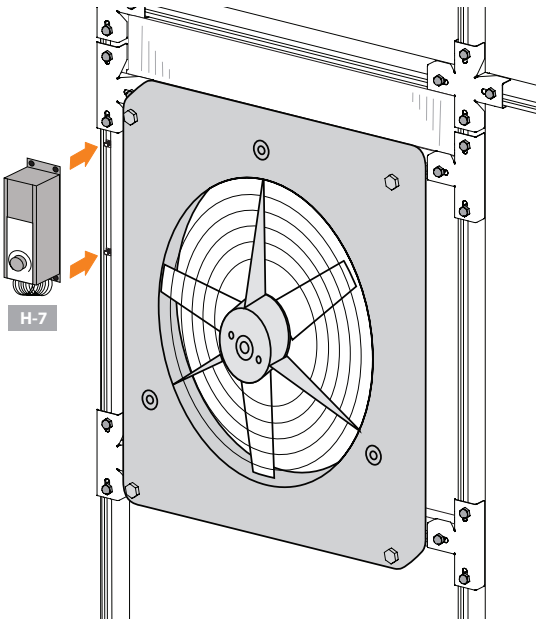
12.1B Secure with S-2D nut and S-5B washer.



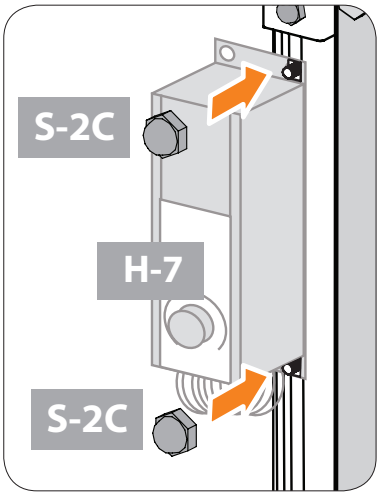
Side View

Connectors		QTY	Fan		QTY
	S-2D S-5B	4 4		H-8	1

12.2A Working from inside install two T-bolts into track, lock into place. Fit H-7 thermostat on T-bolts.



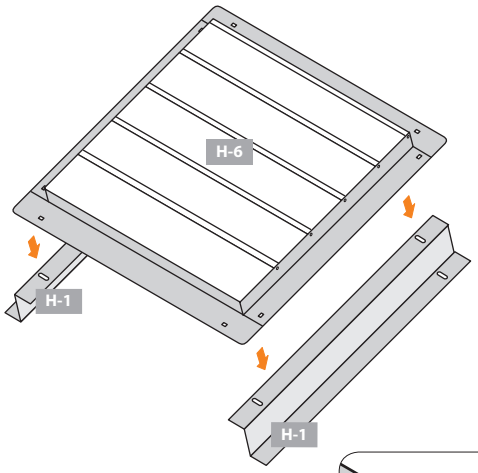
12.2B Secure with S-2C caps.

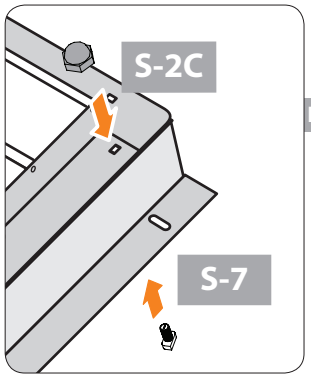


NOTE: VIEWS FROM INSIDE.

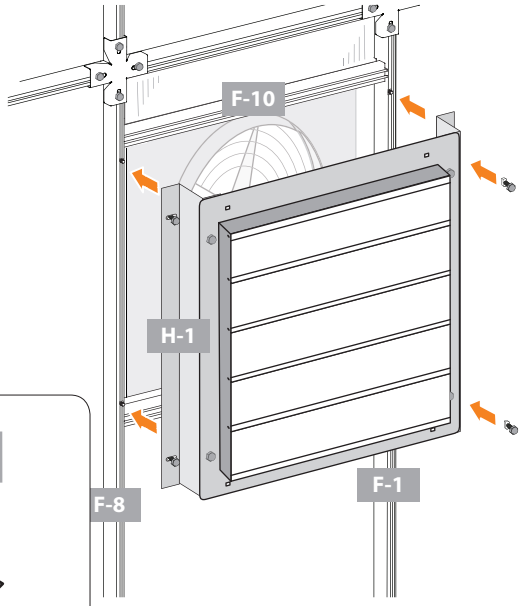
Connectors		QTY	Thermostat		QTY
	S-7 S-2C	2 2		H-7	1

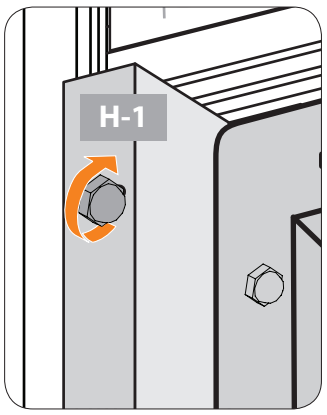
12.3A Working on the ground, line up holes in H-1 brackets with holes in H-6 shutter. Secure with S-7 bolts and S-2 caps.





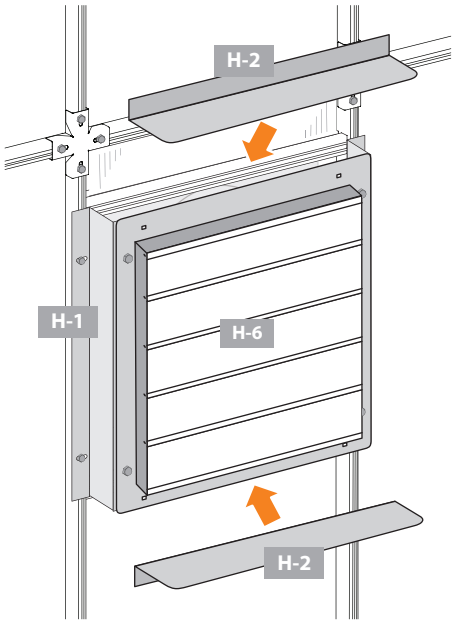
12.3B Working from outside insert four T-bolt assemblies into slots on H-1 brackets. Secure to F-8 and F-1 profiles as shown.

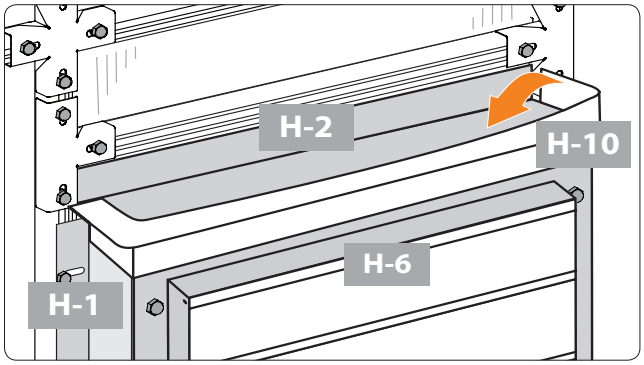




12.3C Place H-2 Profile on top of shutter. Smooth aluminium tape along edges at top and sides. Repeat to install H-2 on bottom.

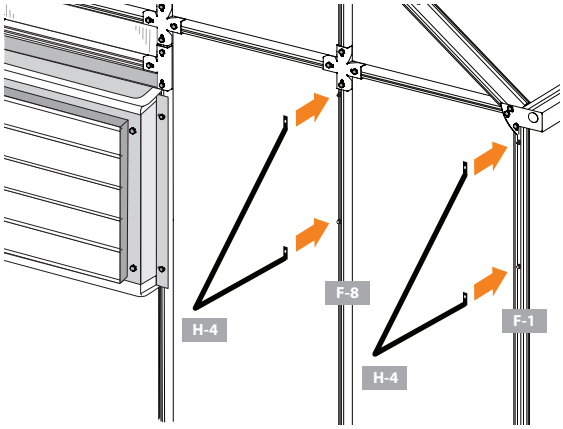
NOTE: VIEWS FROM OUTSIDE.

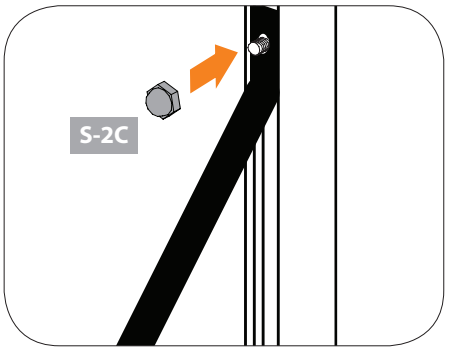




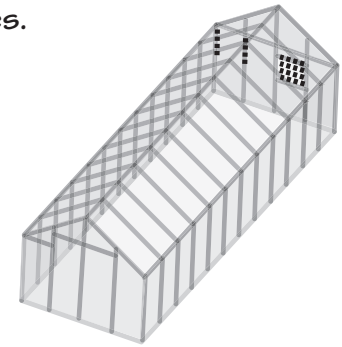
Shutter		QTY	Tape		QTY	Connectors		QTY	Shutter Parts		QTY
	H-6	1		H-10	10′		S-7	8		H-2	2
							S-2C	8		H-1	2

12.5A Working from outside, fit H-4 brackets ontoT-bolts on F-8 and F-1 profiles. Secure with S-2C caps.

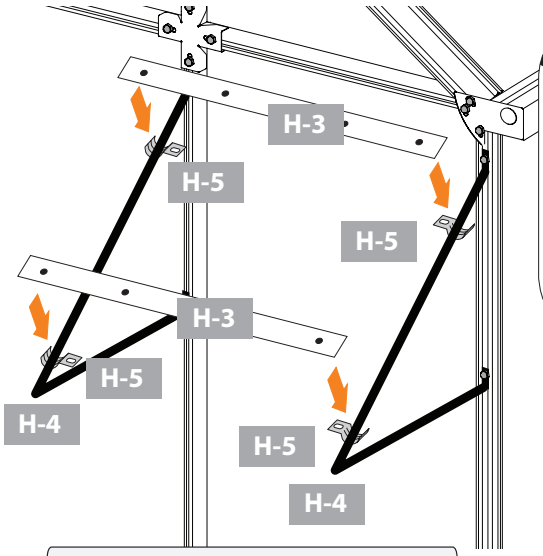




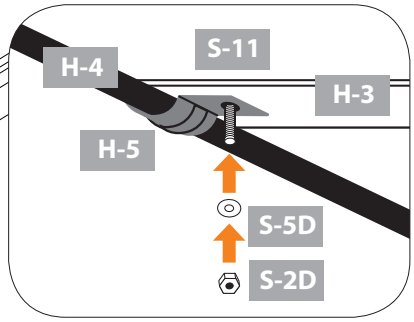
NOTE: VIEWS FROM OUTSIDE.



12.5B Place H-3 profile on H-4 brackets. Fit H-5 connector underneath and secure with S-11 bolts, S-5D washers and S-2D nuts as shown.

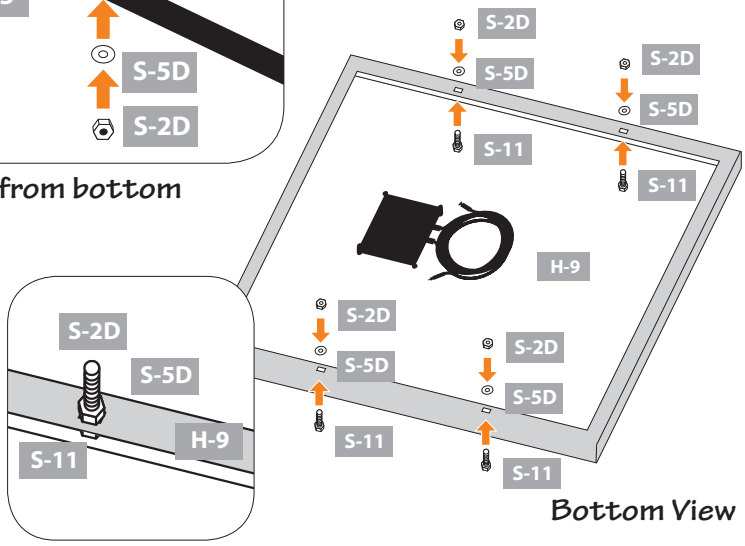


NOTE: VIEWS FROM OUTSIDE.



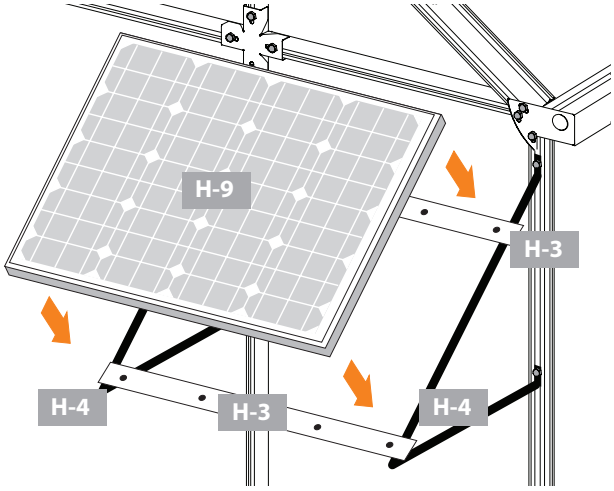
View from bottom

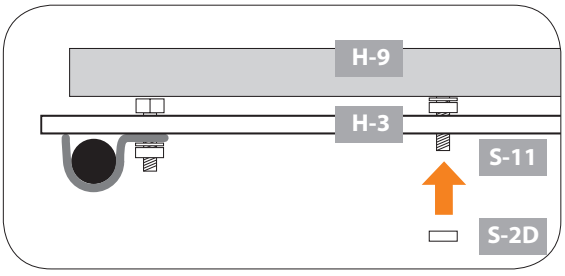
12.5C Install 4 S-5A connectors on to H-9, 2 at the top and 2 at the bottom.



Bottom View

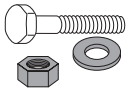
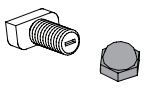
12.5D Install H-9 solar panel on H-3 profiles and secure with S-2D nut.



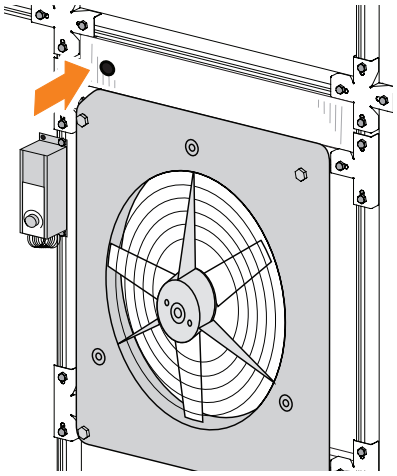


Side View From Top

Connectors		QTY	Solar Panel		QTY
	H-5	4		H-9	1

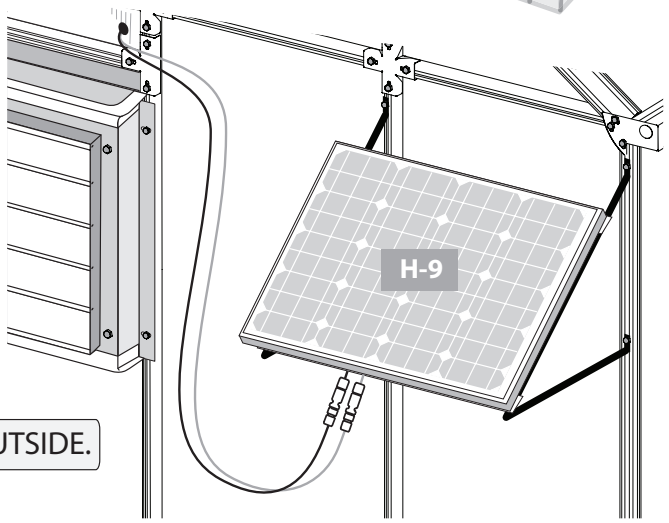
Solar Panel Parts		QTY	Connectors		QTY
	H-4	2		S-11 S-5D S-2D	8 8 12
	H-3	2		S-7 S-2C	4 4

12.6A Working from inside. Drill hole through polycarbonate.



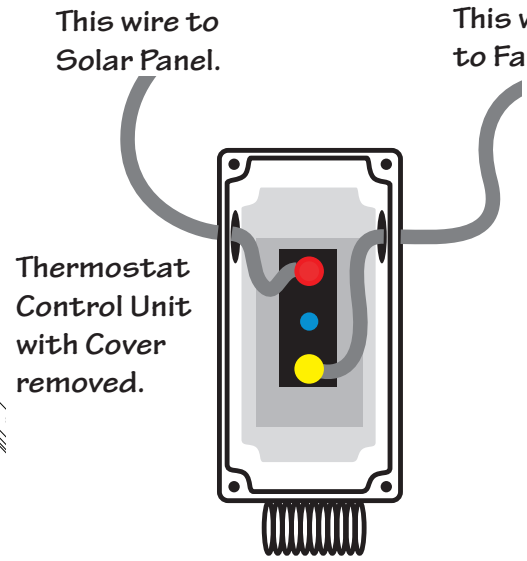
NOTE: VIEW FROM INSIDE.

12.6B Connect wires to Solar Panel. Push the wires to the inside of the greenhouse (leaving enough wire on the outside to connect).

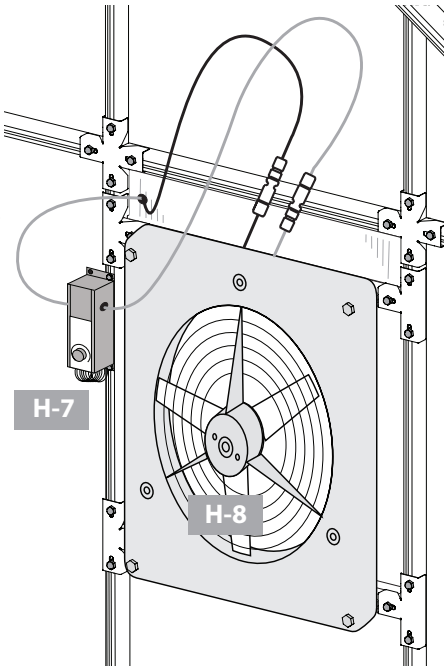


NOTE: VIEW FROM OUTSIDE.

12.6C Measure over to the thermostat with the wire. You will need to cut the positive wire. Look at the solar panel connectors to determine the positive wire. You will hook the positive wire coming in from the solar panel to the top lug of the thermostat. The other wire will be attached to the bottom lug. (NOTE you are only breaking one leg of the circuit).



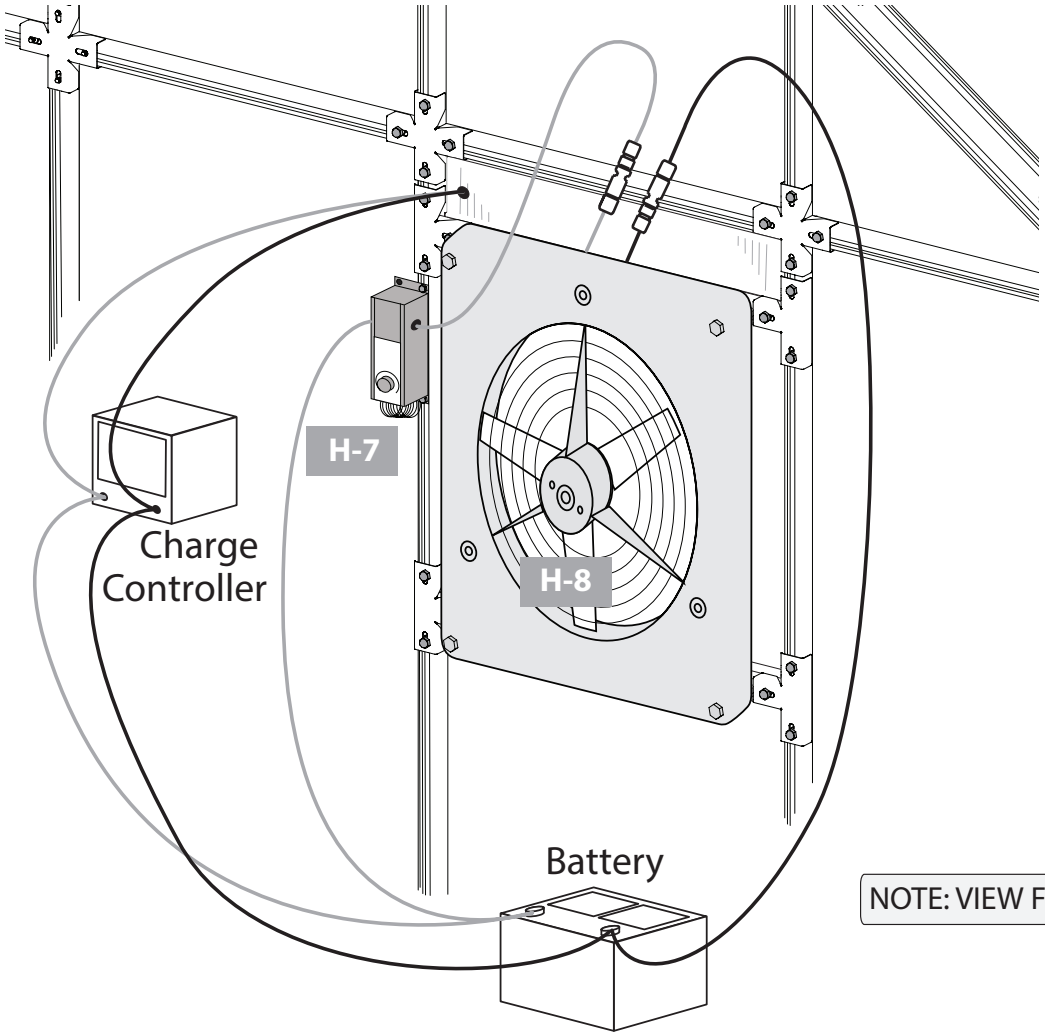
12.6D Continue the wire over to the fan and attach to the wires of the fan with the two wire nuts provided. If it runs backwards reverse wires.



NOTE: VIEW FROM INSIDE.

Wire		QTY
	H-11	16′

12.6E **OPTIONAL CHARGE CONTROLLER AND BATTERY: For accurate wiring using charge controller and battery, refer to the wiring diagram provided with the charge controller.**



NOTE: VIEW FROM INSIDE.